

Kathy

APH Products Catalog



Touching the Future



AMERICAN PRINTING HOUSE
FOR THE BLIND, INC.

Unique Products
Designed for People
Who Are Visually
Impaired or Blind

1996-1997



Handi-Cassette II Tape Recorder/Player

**You'll Be Amazed By What Comes Out
Of This Little Box...**

Explore the World of Talking Books—And Much More!

The Handi-Cassette II Tape Recorder/Player is a very special box indeed! It can open the door to the vast world of Talking Books, but that's just the beginning:

- Plays Talking Book tapes at 15/16 ips, 4-track as well as commercial tapes at 1 7/8 ips, 2 track—plays stereo!
- Playback offers Variable Speed Control and Variable Speech Control™, so you determine how fast the narrator reads.
- Can record up to 6 hours on a single 90-minute cassette using 4-track, 15/16 ips—great for lectures or meetings. Also records at 1 7/8 ips, 2-track.
- Built-in speaker, microphone, jacks, tone and voice indexing, and more.
- Ask about our Handi II carrying case.



**AMERICAN PRINTING HOUSE
FOR THE BLIND, INC.**

1-07085-00

Price: \$161.25

1-800-572-0844

APH Catalog of Products for People Who Are Visually Impaired or Blind 1996-97

Prices effective through February 28, 1997, but are subject to change without notice.

All trademarks appearing in this catalog are of their respective companies.

**We have attempted to be as accurate as possible when portraying products in photographs; however, some products you receive may appear slightly different than depicted.
These differences will not affect the functioning of the products.**



**AMERICAN PRINTING HOUSE
FOR THE BLIND, INC.**

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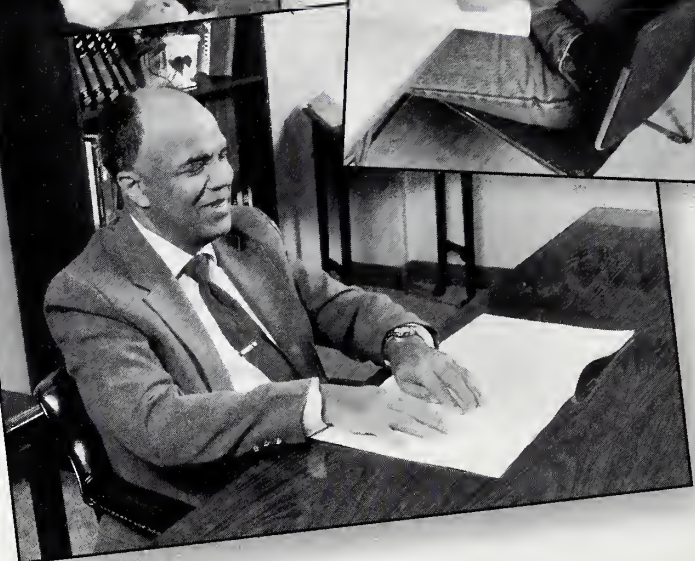
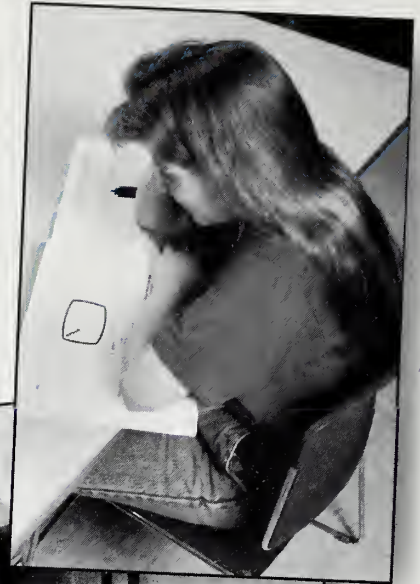
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Mission Statement

The American Printing House for the Blind promotes independence of blind and visually impaired persons by providing special media, tools, and materials needed for education and life.

Corporate Status

The American Printing House for the Blind, Inc. is a 501(c)(3) organization. Gifts, therefore, are tax deductible.

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Service Since 1858

Since 1858 the American Printing House for the Blind (APH) has been creating unique products for people who are visually impaired or blind. This catalog lists the materials, tools, and supplies offered for sale by APH. Our product line includes everything from traditional items, such as slates and styluses, to high-tech items, such as talking computer software. APH products are designed for students and adults, both in education and in daily living.

Locating Products

To find a specific product, you can use the two indexes near the back of the catalog. The first index is alphabetized by product name; the second index is arranged by catalog number.

Notes: Items marked with “New” bursts have been added to APH’s product line since the last *Product Catalog*. “TBA” in the price column means the price is “To Be Announced.”

Cassette Tape Recorders for education and entertainment.

Choose from three 4-track cassette recorder models to fit your individual needs.



Handi-Cassette II Stereo Recorder/Player

Listen to Talking Books or other pre-recorded cassettes, as well as record 2- and 4-track tapes with this portable unit. Features a handsome black casing with high contrast lettering and controls, and a tape motion sensing window for touch confirmation of tape movement. It's versatile! Plug it into a wall outlet, or run it on rechargeable battery pack or regular AA batteries. Features audible low battery warning.

Includes: stereo headphones, AC power converter, rechargeable battery pack, removable battery clip, a manual in print and on cassette, a print and braille quickstart instruction sheet, and one year limited warranty. Recommended for all ages.

X Dimensions: 6 3/4 x 4 3/8 x 2 1/4 inches

X Weight: 1.56 lbs.

1-07085-00.....\$161.25

Quantity Discount Available! See page 68.

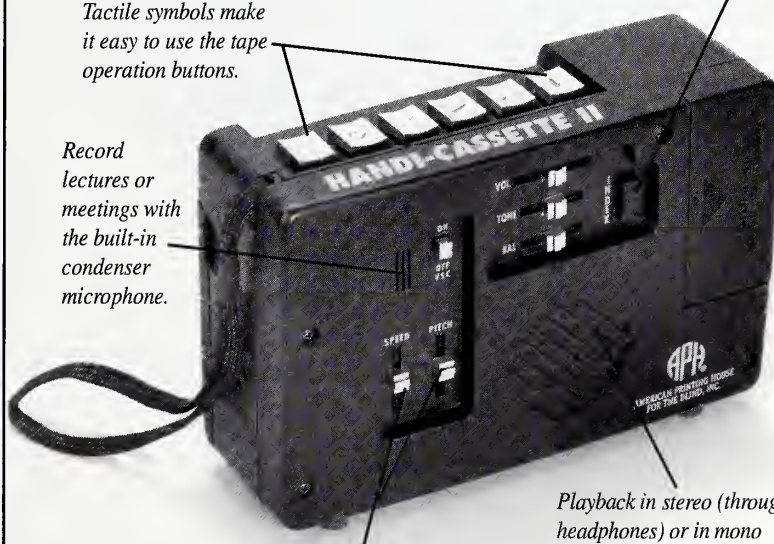


*Record more on a single tape!
Records and plays 2- or 4-track tapes at either 1 7/8 inches per second or 15/16 ips.*

Tactile symbols make it easy to use the tape operation buttons.

Record lectures or meetings with the built-in condenser microphone.

Record indexing lets you record a signal (a "beep" in preview or review mode) for cuing or indexing material.



Cover more material quickly! With Variable Speed Control™ plus Variable Speed Control, you can adjust the rate of speech and the pitch of the voice.

Playback in stereo (through headphones) or in mono (through built-in speaker).

Two-Year Extended Warranty for the Handi II:

1-07087-00.....\$50.00

Covers the machine only, NOT accessories that come with it.

Carrying Case for the Handi II

Protect your recorder and accessories wherever you go! Includes removable partitions to hold headphones, AC adaptor, battery clip, and 2 or 3 cassettes. Its "Handi" strap goes over your shoulder or, if you prefer, around your waist. Dark blue with black trim.

1-07084-00.....\$15.35



APH Panasonic Stereo Cassette Recorder/Player and Radio

Read a textbook in the morning, record a meeting in the afternoon, thrill to your favorite novel on the way home, and relax to stereo music in the evening, *all with the same small tape recorder!*

This compact, walk-about-size machine **measures only 3 1/2 x 5 1/8 x 1 3/8 inches, and weighs only 11 1/3 oz.** You can get more recording time on a tape by choosing the slower (15/16 ips) speed. Built-in microphone has Sound Level Equalization to automatically adjust the sensitivity level while you record.

The APH Panasonic® includes:

- ✓ Stereo headphones
- ✓ Carrying case
- ✓ AC adapter
- ✓ Two AA rechargeable batteries
- ✓ Battery Charger
- ✓ Removable belt clip
- ✓ Instructions in large type and on tape
- ✓ Braille start-up sheet
- ✓ One year limited warranty

Recommended for all ages.

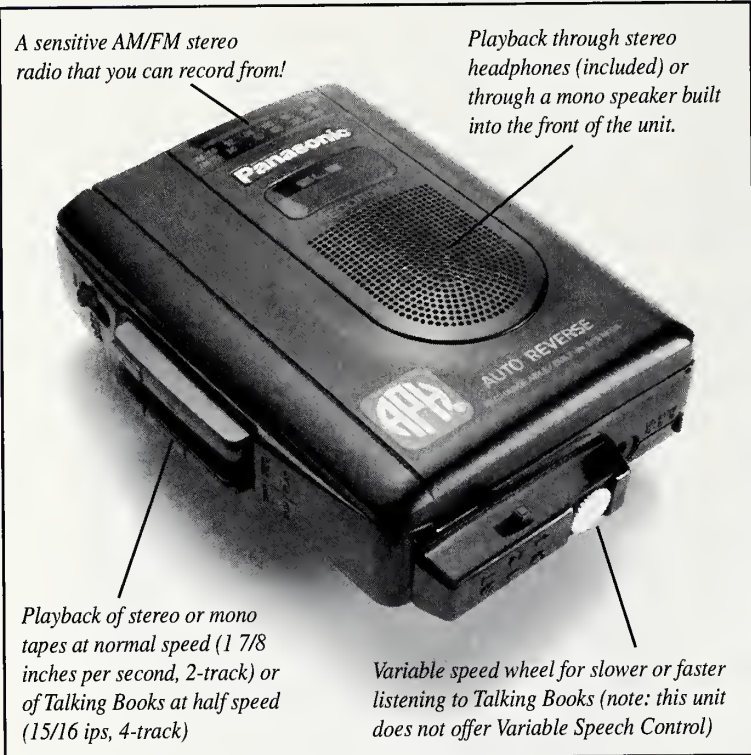
1-07074-00.....\$208.00

Quantity discount available! See page 68.
NOT AVAILABLE ON QUOTA

Optional Item:

**Tone Indexing Microphone for the APH
Panasonic: 1-07077-00.....\$39.85**

NOT AVAILABLE ON QUOTA



Replacement Batteries, AC Adapters, and Battery Clips for All APH Tape Recorders

Note: The Handi-Cassette, catalog no. 1-07080-00, has been discontinued (not to be confused with our new model, the Handi-Cassette II). However, we **do** still sell some accessories for the old Handi-Cassette.

	Handi-Cassette II	APH Panasonic	AC/DC (3-5196A or B)	Handi-Cassette
Rechargeable Batteries	Ni-Cad battery 1-07081-00...\$12.00	(2) AA rechargeables 1-07075-00...\$5.78*	Ni-Cad battery 1-07070-00...\$18.65	Ni-Cad battery 1-07081-00...\$12.00
AC Adapters/Rechargers	1-07091-00...\$TBA	1-07076-00...\$11.55*	(Not Applicable)	1-07090-00...\$9.95
Battery Clip	1-07086-00...\$8.95	(Not Applicable)	(Not Applicable)	1-07083-00...\$8.95

*NOT AVAILABLE ON QUOTA

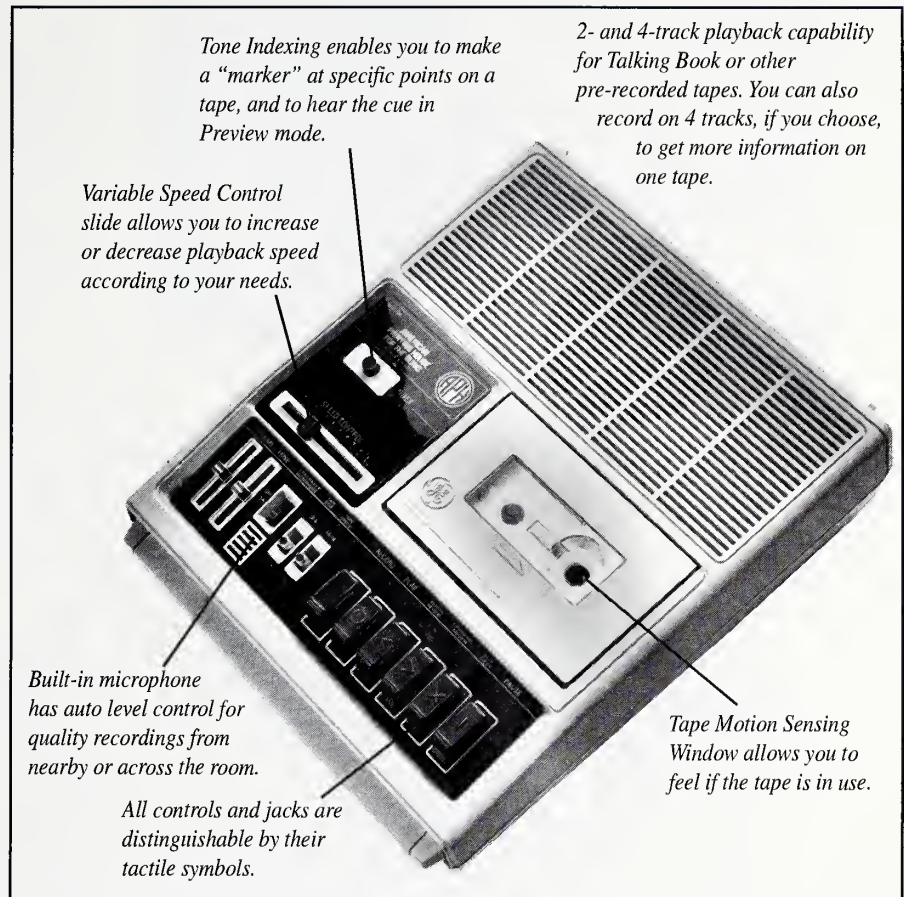
AC/DC Rechargeable 4-Track Cassette Tape Recorder/ Player (Model 3-5196B)

Portable desktop machine, specially designed and recently improved by APH and General Electric®, is perfect for listening to books on tape or for recording lectures or lessons. You'll find this unit useful at home, school, or work. Two-way power allows you to operate the unit on rechargeable Ni-Cad battery (included) or on the attached AC power cord. Has jacks for earphones, headphones, remote microphone, auxiliary output and input. Instructions are provided in regular type and on cassette. Braille start-up sheet is also included. Recommended for all ages.

X Dimensions: 9 3/8 x 11 1/8 x 3 inches

X Weight: about 4 1/4 lbs.

1-07130-00.....\$207.95



Carrying Case with Shoulder Strap for the AC/DC Cassette Tape Recorder/Player

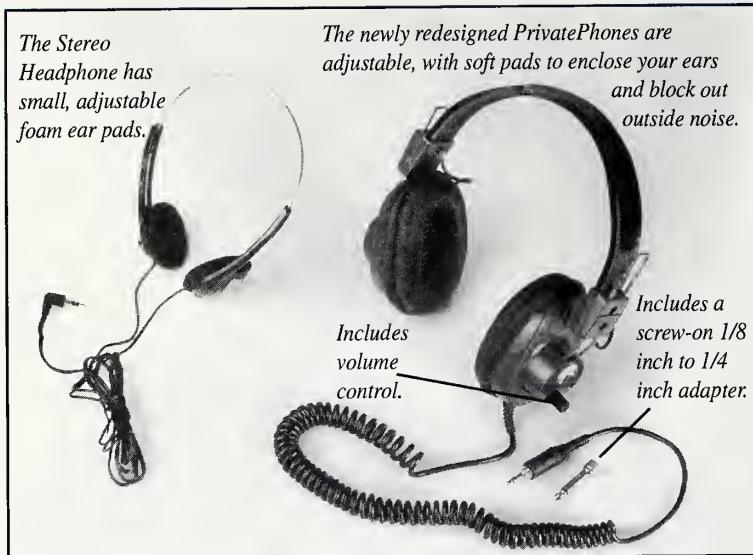
Carry your tape recorder/player, your tapes, and accessories in this durable black vinyl case. It has an adjustable shoulder strap with movable cushion, and hook/loop fasteners for easy access.

1-07010-00.....\$10.55

Replacement Instructional Cassette:

1-07131-00.....\$1.95

Accessories for the AC/DC Recorder/Player (Model 3-5196A or B).



Headphones

Hear your recordings clearly and without disturbing others. Choose from three models. Note: these headphones work with AC/DC Recorder/Player, APH Portable Plus, and original Handi-Cassette. The Mini-to-Standard Adapter Plug is required for use with the Talking Book Reproducer or the Spequalizer.

PrivatePhones:

1-07088-00.....\$TBA

Stereo Headphone: Works with the APH Panasonic and the Handi-Cassette II. Has small, adjustable foam ear pads. **1-18986-00.....\$7.95**

Monaural Headphone (not pictured):

1-07082-00.....\$10.35

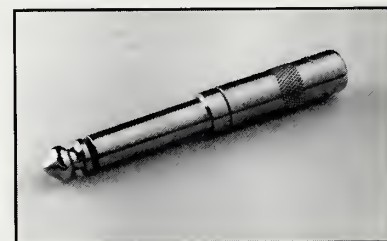


Patchcord Kit

Lets you record directly from

one audio source (radio, phonograph, recorder) to another. (Each audio source must have an earphone jack.) **1-07170-00.....\$15.20**

Mini-to-Standard Adapter Plug



If you have a Talking Book Reproducer or an earlier AC/DC Recorder/Player (Model 3-5194) from APH, you'll need this adapter to use the headphones listed above, or to use the Listening Post Audio Splitter.

1-07060-00.....\$6.20

Cassette Circulation/Storage Containers

If you want to mail cassettes, or just get your recordings organized, here is your ticket! These plastic containers are equipped with snap closed straps and slots for mailing labels. They are embossed: "Free Matter for the Blind or Handicapped."

Four-cassette capacity Container:

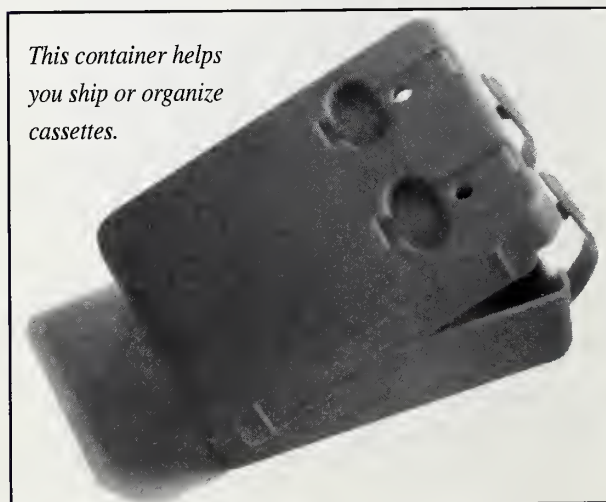
1-02620-00.....\$1.24

Six-cassette capacity Container:

1-02630-00.....\$1.49

Note: A minimum order of four cassette containers of the same capacity is required.

This container helps you ship or organize cassettes.

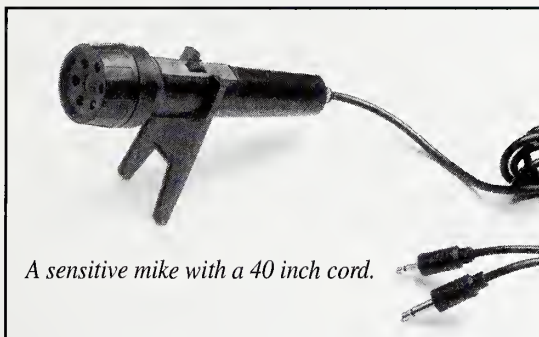
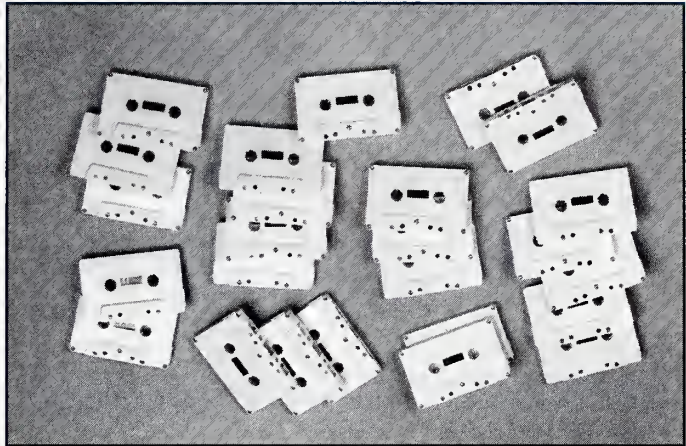


Blank C-90 Cassette Tapes

Record your meetings, lectures, notes, letters—any voice recording with these high quality 90-minute cassette tapes (standard size). A bargain at less than a dollar per tape! *Sold in lots of 25.*

1-08560-01.....\$20.75

Note: These are new cassettes, but they come with the record tabs out, so it is necessary to put a piece of tape over each of the tab holes before recording.



A sensitive mike with a 40 inch cord.

Remote On/Off Control Microphone

Make your own voice recordings! Great for audio letters, notes, etc. Sensitive microphone with 40-inch cord, built-in on/off switch, and desk stand. For use with the AC/DC Recorder/Player, Handi-Cassette, and Handi-Cassette II.

1-07160-00.....\$9.95

The Listening Post Audio Splitter

Connect up to four pairs of headsets simultaneously to one sound source. Also works in mixing up to four input sources to one output. Individual volume controls are provided for each mini (1/8 inch) jack. Mounted in a rugged plastic case measuring 5 1/2 x 3 1/4 x 1 1/2 inches. Includes two 3-foot cords with mini (1/8 inch) plugs. Works with all APH cassette recorders. **1-00941-00.....\$43.75**



Connect up to four headphones at once.

Control your audio device with your foot!



Footpedal Switch

Turn your tape recorder or record player on and off with your foot, leaving your hands free for typing, braille transcribing, or whatever! Works with the AC/DC Recorder/Player, Handi-Cassette, Handi-Cassette II, and APH Portable Plus.

1-07020-00.....\$9.95

Choose from handbooks, manipulatives, and other teaching/learning materials.

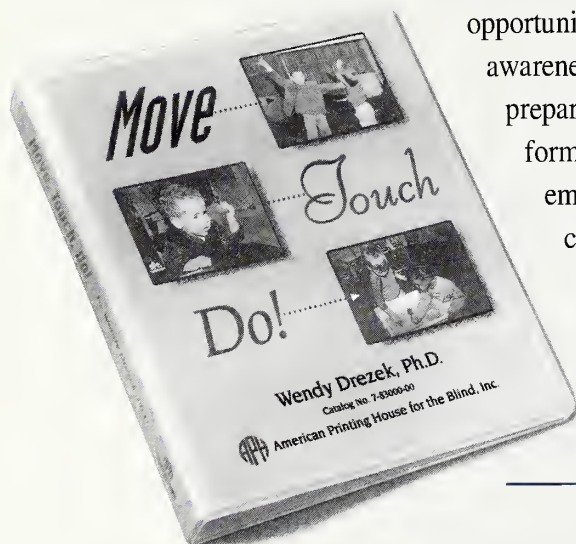
For parents and teachers of students infant through primary level or with multiple disabilities.



Move, Touch, Do!

Content-rich, adaptable curriculum for teachers and therapists of children from infancy to kindergarten.

Provides children various opportunities to develop the awareness and skills to prepare them to enter formal education. The emphasis is on content and routines, rather than skills apart from content, and is

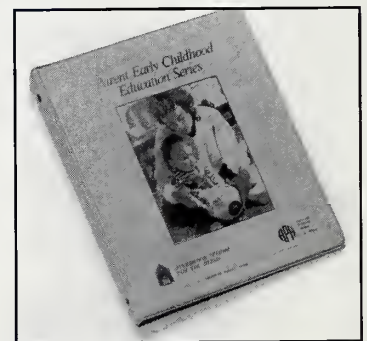


based on the belief that "each child is capable of competence and achievement if this is our expectation." Materials provide a basic outline of daily activities, a structure of materials and skills for the school year, instructions for craft projects, and sample communication boards. An accompanying computer disk offers easy-to-use letters to parents, as well as helpful forms and checklists. Curriculum can be adapted to fit your setting and program, and is suitable for mainstream settings. Print text and 3 1/2 inch PC disk are stored in a binder. For developmental ages birth to 5 years

7-83000-00.....\$35.00

Parent Early Childhood Education Series

This series of training materials, designed for parents and teachers of young blind and visually impaired children, offers "user friendly" instruction for developing critical skills. *Parent Early Childhood Education Series* is a set of nine packages of activity sheets. Each sheet describes specific techniques parents can use to help their visually impaired child achieve maximum growth in the key developmental areas. Activity areas include cognitive, communication, eating, motor, and play skills; emotional and sensory development; and orientation and mobility. Recommended ages: birth through 5 years.



Teacher, English Edition, Print in binder:

7-96201-00.....\$8.70

Parent/Caregiver, English Edition, Loose Leaf Print:

7-96200-00.....\$11.00

English Edition, Braille:

5-96201-00.....\$66.60

Spanish Edition, Loose Leaf Print:

7-96202-00.....\$13.40

Parents and Visually Impaired Infants (PAVII)

Print materials designed to help parents of visually impaired babies become involved as primary members of the intervention team. The six major components are:

- **“Parent Assessment of Needs” (PAN):** An interview/report form to help identify and prioritize home-based goals for infants.
- **“Parent Observation Protocol” (POP):** Provides directions for a “microteaching” format using video. Encourages parent observation of self and child and identifies teaching strategies for facilitating early learning experiences.
- **“PAVII ‘How-To’ Papers on Assessment”:** Home-based assessment information including “Identifying Visual Impairments,” “Functional Hearing Screening,” and “Assessing Infant Communication.”
- **“The Art of Home Visiting”:** Discusses roles, responsibilities, and prerequisite competencies for a home visitor, offers practical suggestions for a home visit, and covers issues encountered in the home visit process.

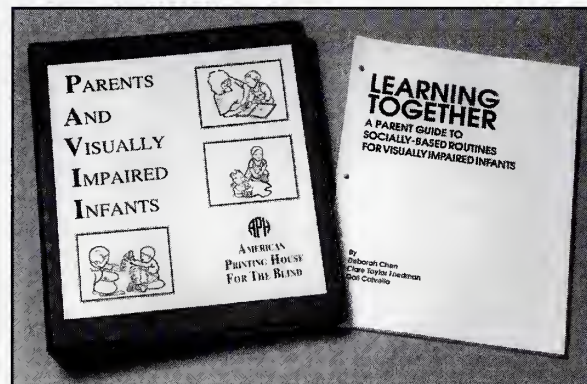
- **“Getting Ready for School”:** Outlines the learning environment, family factors, child factors, school district factors, expert input, and educational rights.
- **“Learning Together: A Parent Guide to Socially Based Routines for Visually Impaired Infants”:** Offers home-based strategies for deciding what is needed to help a baby learn during everyday activities (also available separately).

Materials come bound in a sturdy three-ring notebook. Recommended ages: birth to 3 years.

7-96150-00.....\$26.00

Learning Together only:

7-68660-00.....\$3.60

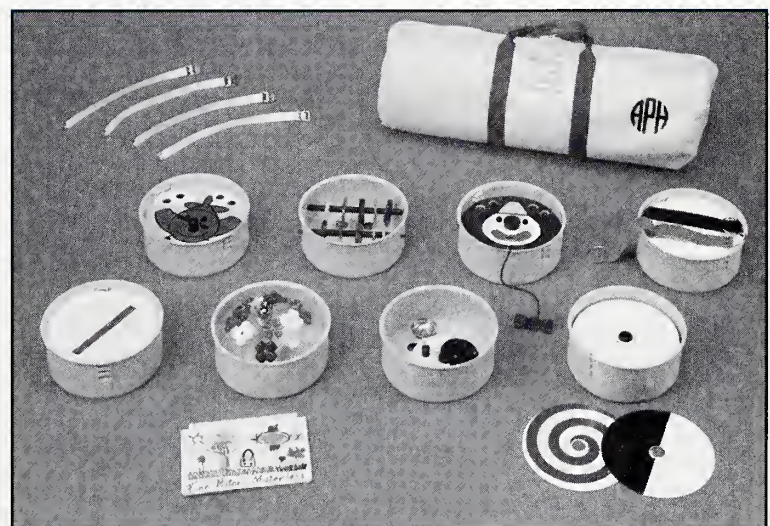


PAVII has ideas to help parents become deeply involved in their child's education.

Fine Motor Development Materials: Twist, Turn, and Learn

Helps young children who are visually impaired and multihandicapped to develop and refine fine motor functions. Modules in the kit assist students in developing such skills as reaching, grasping, raking, pincer grasp, wrist rotation, searching technique, palmar grasp, and visual-motor/visual-perceptual coordination.

Fine Motor Development Materials includes eight specially designed modules which attract the child's attention with bright colors and ringing bells; a set of straps designed to allow the modules to be hung on playpens or cribs; a carrying bag; and a teacher's guidebook with ideas and suggestions for utilizing the modules. Recommended ages: birth to 36 months.



1-08420-00.....\$240.45

Quantity discount available! See page 68.

Teacher's Guidebook only:

7-40400-00.....\$11.45

HANDS ON: Functional Activities for Visually Impaired Preschoolers

Helps young visually impaired children become more independent by involving them in a series of

activities to develop skills such as concentration, hand and visual motor coordination, ability to complete a cycle of activity, and socialization skills. It also helps develop a sense of order and a positive self-image.



Includes a guidebook and six specially designed plastic work trays. The guidebook details numerous activities that will assist young children in learning important skills. The work trays are useful in facilitating these activities. The work is presented sequentially, beginning with jobs such as pouring beans and progressing to more complicated tasks such as preparing snacks and washing dishes. Recommended ages: 3 to 6 years.

1-03260-00.....\$125.00

HANDS ON Guidebook only:

7-52210-00.....\$21.85

Sensory Stimulation Kit (SSK)

Designed to facilitate the development of basic sensory processes in young blind or multihandicapped visually impaired children. Provides a wide range of basic sensory stimulation experiences, using such items as bells, lights, textured mittens, a vibrator, a brush, and a blow dryer. SSK includes 25 groups of items within the five sensory modalities (auditory, tactual-kinesthetic, visual, and olfactory/gustatory), a teacher's guidebook, and activity cards for each item. Recommended ages: birth to 6 years.

Complete kit: 1-08610-00.....\$479.75

Quantity discount available! See page 68.

SSK materials available separately:

Auditory Kit: 1-08640-00...\$103.95

Tactual-Kinesthetic Kit: 1-08630-00.....\$181.75

Quantity discount available! See page 68.

Visual Kit: 1-08620-00.....\$105.00

Olfactory & Gustatory Kit: 1-08650-00...\$41.55

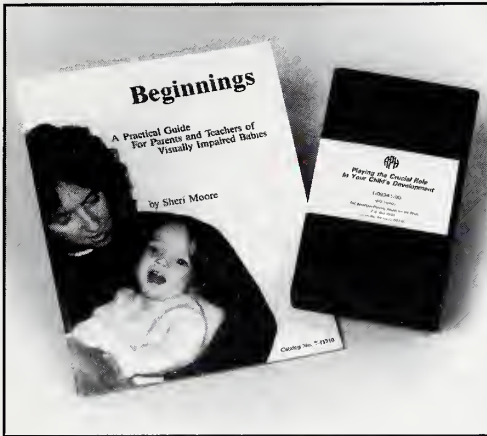
Teacher's Guidebook: 8-11850-00.....\$5.95



Activity Cards: 8-11860-00.....\$14.05

Penlight w/Color Caps & Flashlight w/Color Discs
(see description in Low Vision): **1-08390-00...\$35.50**

Playing the Crucial Role in Your Child's Development and Beginnings



These two items give parents or teachers of visually impaired babies many easy-to-follow suggestions. The video and the book present ways of building critical skills such as reaching, grasping, midline coordination, walking, etc., in children birth to 2 years. *Playing the Crucial Role* is a 9 1/2 minute video; *Beginnings* is a print handbook with more detailed information.

Playing the Crucial Role in Your Child's Development: 1-08341-00.....\$20.75

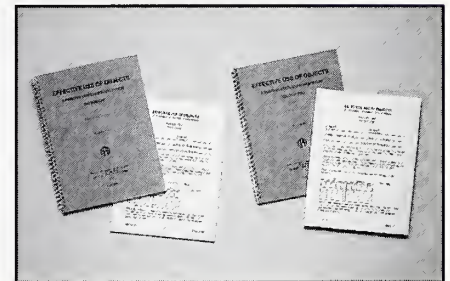
Beginnings: A Practical Guide for Parents and Teachers of Visually Impaired Babies (print handbook): 7-11710-00.....\$7.65

Effective Use of Objects: A Process Centered Intervention

Written by Gretchen Stone, this program helps low-functioning learners develop task-oriented behavior that is self-regulating. *Effective Use of Objects* focuses on the kinds of problem-solving skills that encourage the functional use of objects. The first section stresses task orientation and exploration of the physical properties of objects. Section two addresses skills related to using objects in work sequences at a more advanced level. Both sections address three areas:

- Skills that are appropriate for a task environment
- Skills that lead to the functional use of objects in productive activity
- Skills that can be used during recreational and social activities with others

Each volume contains an Inventory describing general functional skills, situational skills, and specific problem-solving strategies; and a Strategies Profile. Recommended ages: functional ages 2-7 years. 7-35500-00.....\$28.35



Clock Face with Raised Print and Braille Numbers



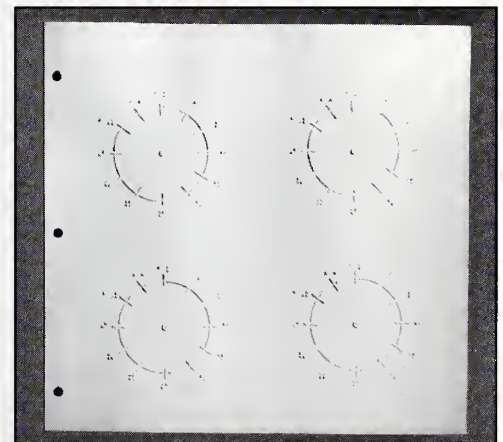
Clock Face (nonoperating) displays time in braille and raised print. Made of durable plastic and measuring 7 inches in

diameter, the clock face has hands that are easily rotated. The hands are synchronized like those of an actual clock. Recommended ages: 6 to 10 years. 1-03120-00.....\$18.90

Clock Face Sheets in Braille

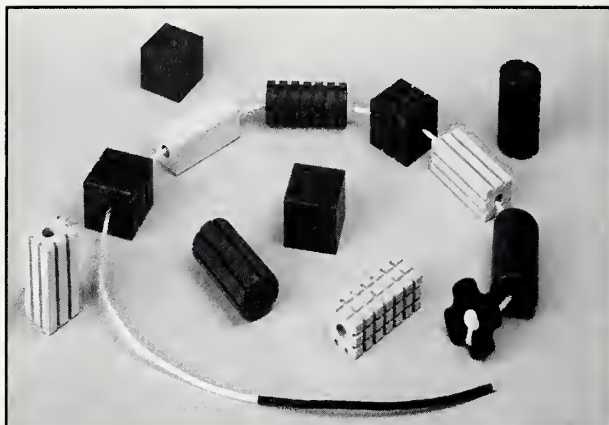
Each sheet contains four embossed braille clock faces. Hands can be added to these blank clock faces. Embossed on manila transcribing paper measuring 11 1/2 x

11 inches. Recommended ages: 6 to 10 years. 25 per package. 1-03111-00.....\$4.50



Giant Textured Beads

Introduces young children to a variety of concepts, including shape, color, and texture. It also assists in



the development of muscular and eye-hand coordination. Set includes 12 painted wooden beads:

- ✓ Four red cubes
- ✓ Four yellow rectangular solids
- ✓ Four blue cylinders

Shapes display three textures (smooth, striped, and a grid pattern), each shape having a different combination of textures. A white nylon string, 34 inches long, with a 6-inch, pliable nylon tip for threading the beads and instructions in large type are included. Recommended ages: 3 to 6 years.

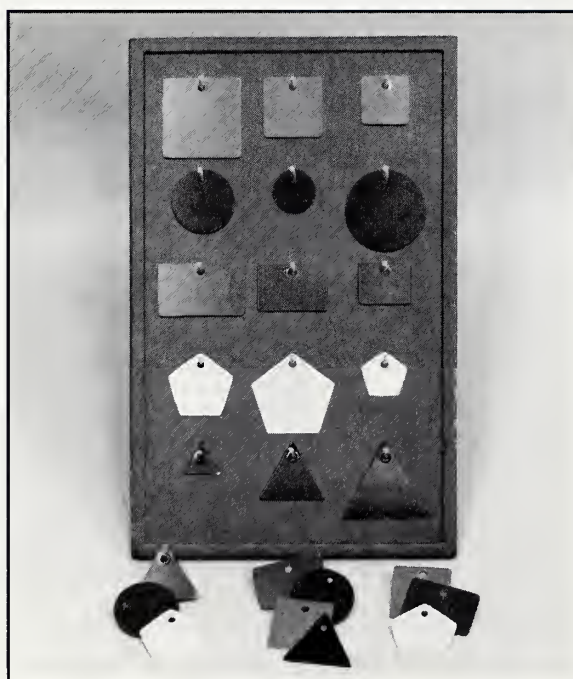
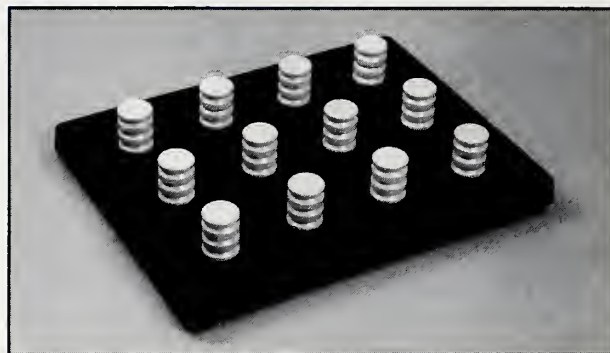
1-03780-00.....\$51.30

Stringer only: 1-03790-00.....\$4.25

Textured Pegs

Helps develop fine motor skills, manual dexterity, and grasp/release skills, reinforcing concepts of direction and position. Includes a 12-hole board measuring 12 7/8 x 9 7/8 inches, and 12 large textured pegs. Large type instructions. Recommended ages: 1 to 6 years.

1-08930-00.....\$23.10



Shape Board

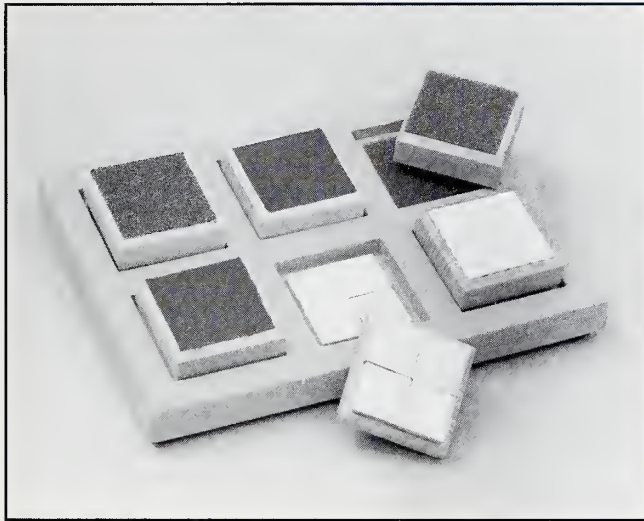
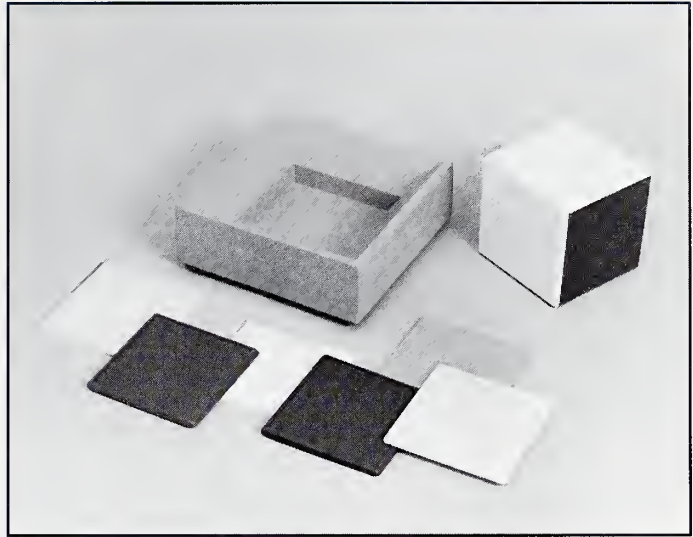
Students learn to discriminate, sort, and classify different geometric figures according to size, shape, color, and/or position on a pegboard. Also aids in understanding directional terms (up, down, right, and left). Consists of 15 geometric shapes and a board measuring 14 1/2 x 22 1/2 inches, with three columns of five pegs. Set of shapes is made up of five different geometric forms of three relative sizes (small, medium, and large). Large type instructions. Recommended ages: 4 years and older.

1-03710-00.....\$46.75

Large Textured Block

Develops gross motor dexterity, visual and tactual discrimination, and simple matching skills. The 3-inch square plastic block features sides of four different colors and textures. Six plastic inserts which duplicate the sides of the block are matched with their counterparts on the block. An insert is placed in the included frame; the block is then placed on top of the insert, matching side down. Recommended ages: 5 years and older.

1-03820-00.....\$30.85



Textured Matching Blocks

Permits tactual matching, recognition of types of textures, and identification of textures by name, while reinforcing directional and positional concepts. Includes six blocks of different textures measuring 2 1/4 x 2 1/4 inches, and a 6 3/4 x 10 inch board with identically textured nests for block matching. Large type instructions. Recommended ages: 3 to 6 years.

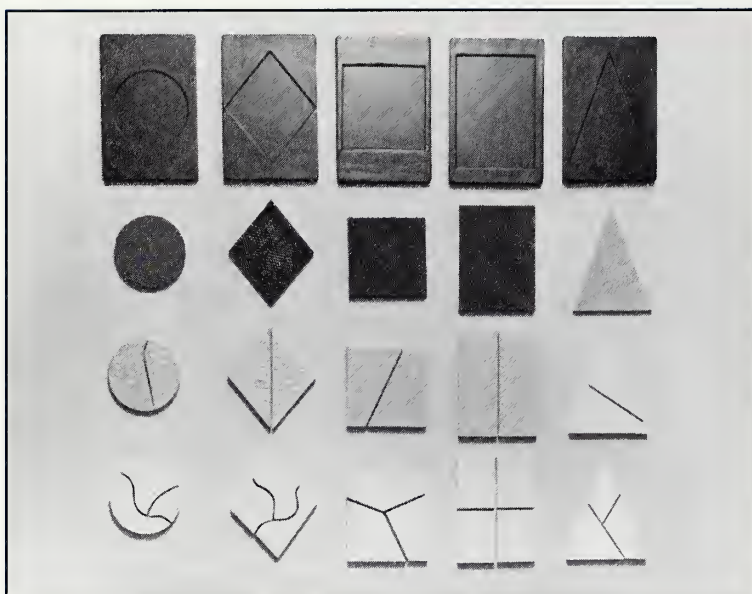
1-08950-00.....\$36.35

Formboard with Removable Hands

Designed for beginning orientation to left and right hand position and texture recognition. Base measures 16 x 7 inches and has left and right hand shapes incised for placement of puzzle pieces. The tops of removable hand pieces are smooth, while the bottoms are textured. Hands and base are of contrasting colors. Large type instructions. Recommended ages: 3 to 6 years.

1-03700-00.....\$15.50





Puzzle Form Board Kit

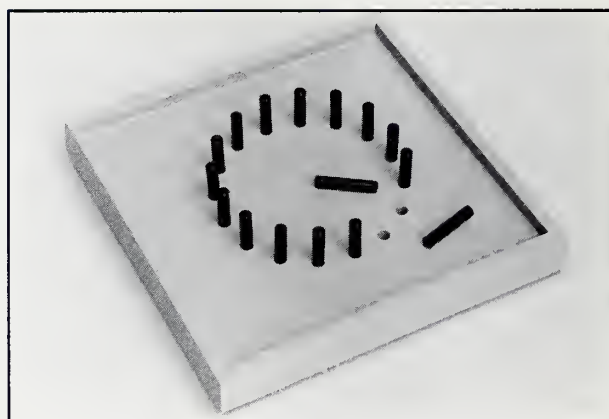
Multipurpose, supplementary aid for teaching basic concepts such as shape, texture, color, size, and matching. Five 4 x 6 inch frames are included, each with an incised shape of either a circle, square, triangle, diamond, or rectangle. Fifteen puzzle figures fit into these frames, three for each frame. Each figure is cut into one, two, three, or four pieces. The five sets of shapes are different colors, and each of the three figures in a set is produced in varying tones of the same color. All figures cut into the same number of pieces are manufactured with the same texture. Recommended ages: 3 years and older.

1-03720-00.....\$56.70

Peg-A-Circle Set

Assists in the understanding of the concepts of next, sequential order, and clockwise and counterclockwise. Consists of a 12 inch square board containing 16 holes in a circular pattern, and 16 pegs. Large type instructions. Recommended ages: 3 years and older.

1-08550-00.....\$36.90

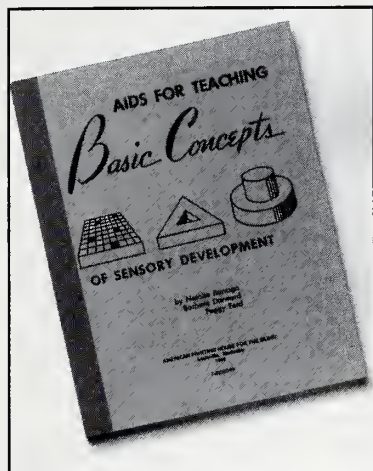


Peg Kit

Provides tasks to help children develop skills in manipulation; number and language concepts; and color, size, and tactual discrimination. Contains nine pegs of varying size, color, and texture; a manipulation/storage container measuring 7 1/2 x 10 1/4 x 2 1/2 inches; and six black inset frames with holes of varying number and size. The frames fit into the top of the box and provide for matching, sorting, and manipulating the pegs. Recommended ages: 3 to 8 years.

1-03420-00.....\$40.65

Aids for Teaching Basic Concepts of Sensory Development



This regular print handbook discusses sensory development concepts relevant to the visually impaired child. It contains activities and guidance for use with children from infancy through primary

age and with children with multiple disabilities.

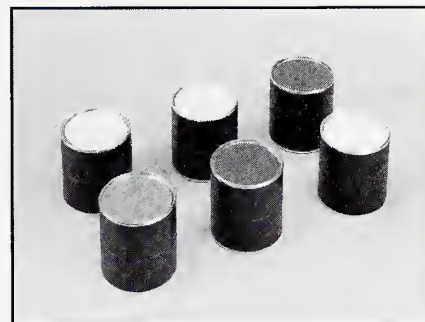
7-02250-00.....\$24.95

Sensory Cylinder Set

Develops skills in manipulation; number and language concepts; and tactual, color, and weight discrimination. Contains six green fiber cylinders, 2 1/2 inches in diameter and 3 inches high. Cylinders come in paired

weights of 100, 200, and 300 grams. Recessed ends of the cylinders afford six textured matches: three different fabrics and three textures made from white plastic. No two matches of weight, texture, or color can be made simultaneously. Recommended ages: 3 years and older.

1-03670-00.....\$39.00



Small, Medium, and Large Circles, Set I

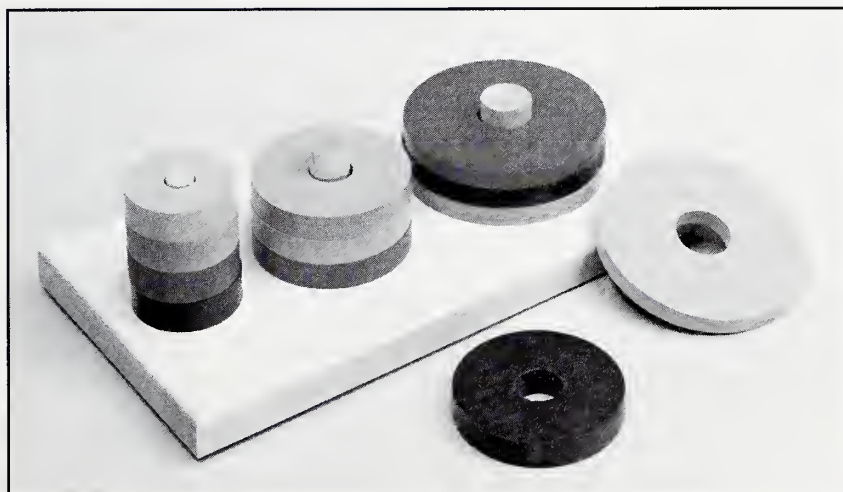
Introduces the concept of fine size discrimination. A 4 x 8 7/8 inch frame contains three recessed nests for holding three wooden circles of various sizes. Large type instructions. Recommended ages: 1 to 6 years.

1-08590-00....\$13.75

Small, Medium, and Large Circles, Set II

Allows for perception of three dimensions, while strengthening manipulative, matching, and discrimination skills. A 6 x 11 1/2 inch base has three pegs to be used in sorting three sets of four circles. Circles are painted in four different colors, and as circle diameter increases, thickness decreases. Large type instructions. Recommended ages: 3 to 6 years.

1-08600-00.....\$60.55



Sound Matching Board I

Develops fine motor skills and auditory matching and discrimination, with the capability of introducing sequential order. Included are: 12 cylinders, 1 inch in diameter and 2 inches long (four loud- and eight soft-sounding), and a circular, 12-hole board, 10 3/4 inches in diameter. Cylinders and board are of contrasting colors. Large type instructions. Recommended ages: 3 years and older.

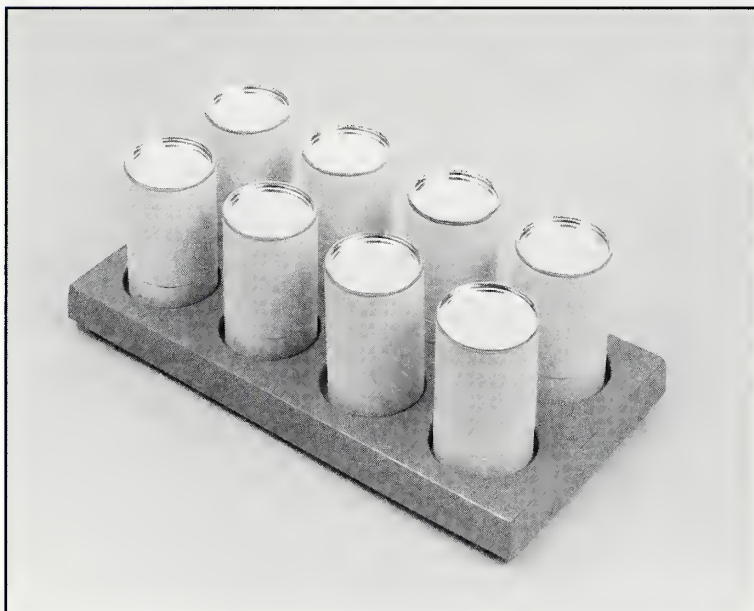
1-08710-00.....\$49.90



Sound Matching Board II

Introduces seriation, develops understanding of directional and positional concepts, and assists in matching and discrimination instruction. Includes eight shakers of four different sounds measuring 2 inches in diameter and 3 3/8 inches long, and an 8-nest base measuring 5 3/4 x 11 1/4 inches. Large type instructions. Recommended ages: 3 years and older.

1-08720-00.....\$26.25



Other products for younger or multihandicapped children in this catalog:

- *Discovering the Magic of Reading: "Elizabeth's Story"*—see Videos
- *On the Way to Literacy*—see back inside cover
- See Educational Games for several products
- See Low Vision Products for several products
- Tactile Marking Mat—see Writing Instruction
- Wooden Constructo Sets—see Prevocational Products
- *PREP Reading Program*—see Literacy: Braille: Language Arts

Make learning fun with educational games from APH! We offer four classic games, plus a generic kit that allows you to adapt or create any game you choose!

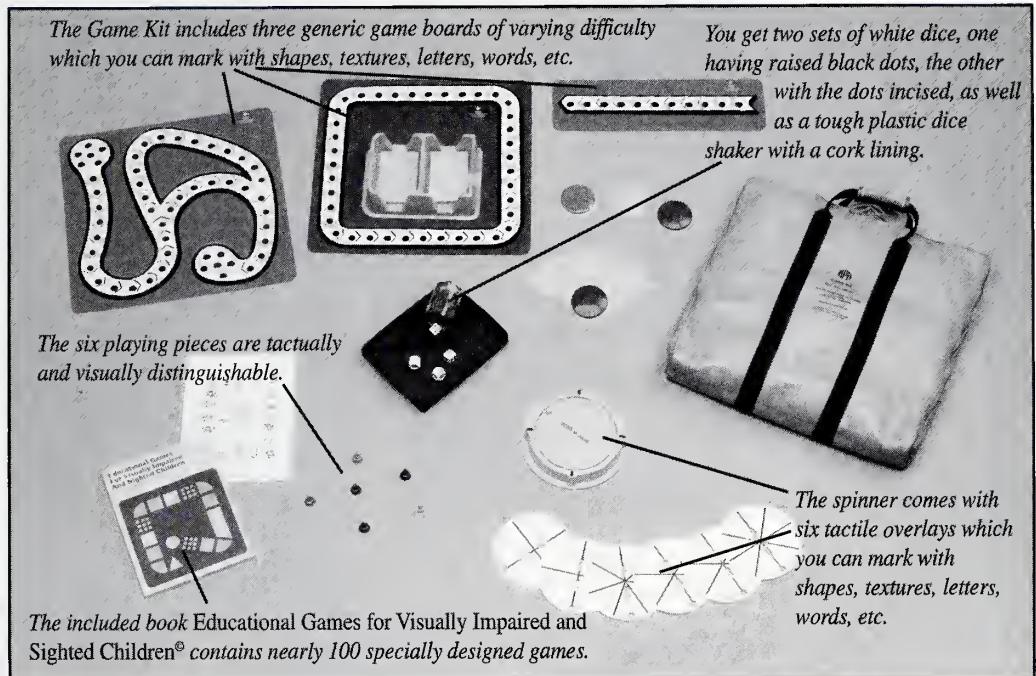
Note: All of these games can also be enjoyed by children who are sighted, making them well-suited for mainstream settings. These games introduce ideas fundamental to the understanding of tactile graphics.

Game Kit

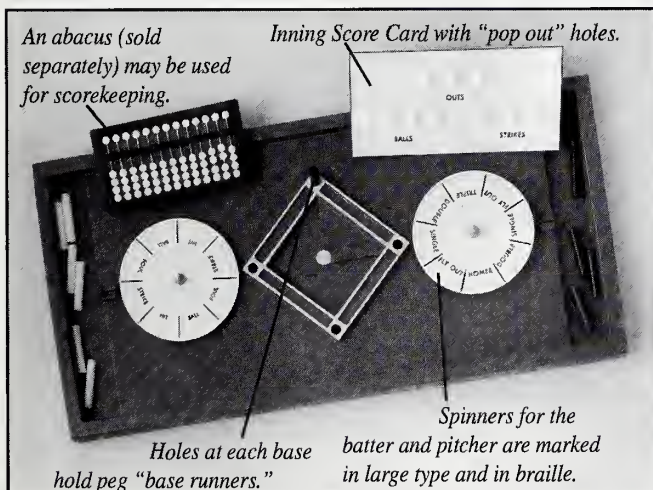
Playing games is a good way for children to learn social and educational skills. The Game Kit is a collection of common game parts all designed especially for use by low vision or blind players. Items in the Game Kit can be used to play the games in the included handbook, to adapt commercial games, or to create new games. Thus, it enables you to review virtually any school subject matter by means of a game. Recommended ages: 5 years and older.

1-08440-00.....\$180.00

Quantity discount available! See page 68.



The Game Kit also includes: a set of brightly colored cards (for vocabulary words, math problems, etc.), a carrying case, and more.



Baseball Game

Players learn about the layout of a baseball diamond, the positions of players, and baseball terms while using counting skills to keep score and to track balls, strikes, outs, and innings. Plastic game board (23 x 11 1/4 inches) has high contrast colors, and textured base lines for tactual discrimination. Playing instructions are included in large type. Recommended ages: 8 years and older.

1-08100-00.....\$91.50

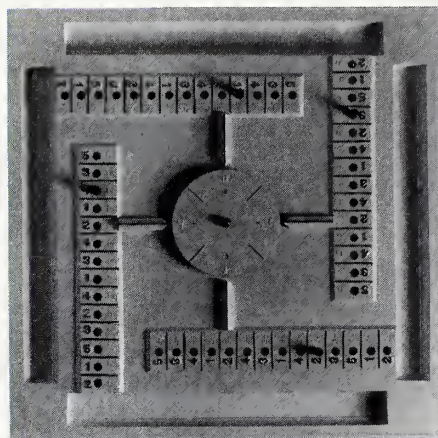
Ten Spot Game

Assists children in learning basic game skills, such as following directions, using a spinner, taking turns, becoming good winners and losers, and practice in

simple addition. The object is to be the first to land on spaces whose numbers amount to 10. Pegs are used to move along a 14-hole "ladder," with the number of moves determined by a spinner. Spinner and holes are marked in braille and large type.

The game board measures 20 x 20 inches, and is light yellow to contrast with the five black pegs. Instructions in large type. Recommended ages: 8 years and older.

1-08920-00.....\$59.10



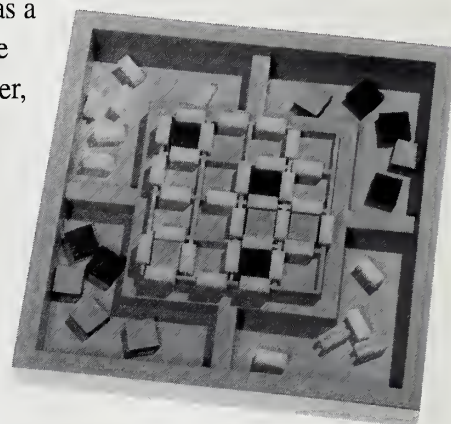
The Game of Squares

Teaches basic game skills. Is an adaptation of the traditional two-player pencil and paper game in which dots are connected to make squares. Players alternate placing plastic "sides" on the board to enclose a small square. Completed squares are covered with the player's marker; the player who covers the most squares wins. Light blue game board measures 9 7/8 x 9 7/8 inches, has a 16-square game grid in the center, and storage areas for game pieces surrounding it. Instructions in large type.

Recommended ages:

8 years and older.

1-08430-00.....\$20.55

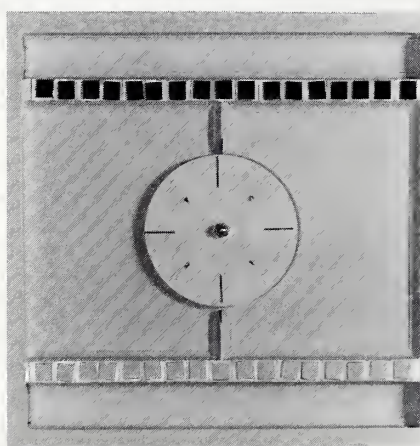


Take Away Game

Two-player game provides practice in reading and counting braille and large type numerals one to four

and helps children learn basic game skills. To play, first one and then the other player spins the spinner to determine how many pieces may be taken from the opponent. When a player has no pieces left, the other player wins. Light yellow game board measures 14 3/8 inches square. A white spinner, mounted in the center of the board, is marked with braille and large type numbers. Two strips of laminated metal hold the magnetic game pieces during play. Thirty-four game pieces are included: 17 black, rough-textured pieces and 17 blue, smooth-textured pieces. Recommended ages: 5 years and older.

1-08900-00.....\$58.35



Other educational games appearing in this catalog:

- See center Sales Section for several computer game products
- PC Typewriter—see Keyboarding Skills

Our atlases, globe, map packets, and map studies programs teach many geographic concepts.



The Globe: Tactile and Visual

This table-model is a standard 12 inch political globe covered with a tactile clear plastic overlay. Among the overlay's features are continent outlines, higher and lower elevations, raised latitude and longitude lines, and a dashed line for the International Date Line. Mounted on a metal stand with a wood base. Recommended ages: 10 years and older.

1-01551-00.....\$58.90

Quantity discount available! See page 68.

Relief Map for Desk Use

Relief map of the continental U.S. with elevations that are exaggerated 20 times in relation to horizontal areas. Ocean floors are incised with latitude and longitude lines. This map uses high-contrast paint to depict water areas as blue and land surfaces as yellow and brown. Measures 21 1/4 x 15 1/4 inches.

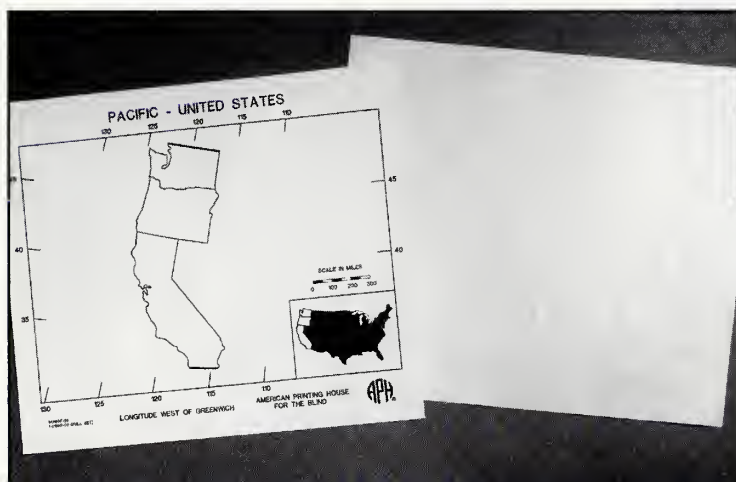
1-01650-00.....\$80.10



Maps of the United States

Redesigned braille and large type maps are inexpensive and consumable, allowing teachers to mark them appropriately for the lesson of the day. We have ten different maps in each medium, all on 17 x 15 inch paper:

- **Forty-Eight Contiguous States:** This map and the regional maps (see below) include a scale of miles and latitude and longitude lines.
- **Eight Different Regional Maps of the U.S.:** Each map (except Alaska) has an insert which shows the region's location in relation to the continental U.S. All regional maps are the same scale in relation to each other.
- **North America and Hawaii:** Overview map, drawn to scale, extends east to west from the Atlantic to the Pacific, and from north to south from Greenland, Canada, and Alaska to the West Indies and Central America.



Braille and large type U.S. maps are the same scale in relation to each other.

Braille maps are embossed on white 80 lb. braille paper; large type maps are printed in black ink on nonglare antique ivory paper. State borders, coastlines, and borders between nations are depicted in distinctive, consistent patterns. You can buy a set containing one each of 10 maps, or choose packages with 10 copies of a single map. Recommended ages: 6 years and older.

Outline Maps of the United States and Its Regions:

Complete Set (one each of the 10 different maps):

Braille 1-01600-00.....\$7.55

Large Type 1-01890-00.....\$2.95

Forty-Eight Contiguous States (10 copies):

Braille 1-01601-00.....\$3.95

Large Type 1-01891-00.....\$2.95

Northeast U.S. (10):

Braille 1-01602-00.....\$3.95

Large Type 1-01892-00.....\$2.95

Southeast U.S. (10):

Braille 1-01603-00.....\$3.95

Large Type 1-01893-00.....\$2.95

Midwest U.S. (10):

Braille 1-01604-00.....\$3.95

Large Type 1-01894-00.....\$2.95

Southwest U.S. (10):

Braille 1-01605-00.....\$3.95

Large Type 1-01895-00.....\$2.95

Mountain U.S. (10):

Braille 1-01606-00.....\$3.95

Large Type 1-01896-00.....\$2.95

Pacific U.S. (10):

Braille 1-01607-00.....\$3.95

Large Type 1-01897-00.....\$2.95

Alaska (10):

Braille 1-01608-00.....\$3.95

Large Type 1-01898-00.....\$2.95

Hawaii (10):

Braille 1-01609-00.....\$3.95

Large Type 1-01899-00.....\$2.95

North America and Hawaii (10 copies):

Braille 1-01611-00.....\$3.95

Large Type 1-01901-00.....\$2.95



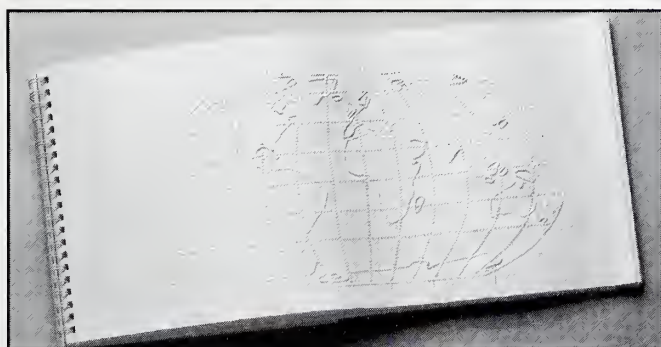
National Geographic® Picture Atlas of Our Fifty States, Braille Edition

Comprehensive braille atlas has detailed tactile maps and accompanying information for each state. APH applied its professional skills in transcription and tactile graphics to produce this seven volume braille edition that has been acclaimed for its clear, precise, and uncluttered raised line maps. Each volume has a full color cover. You get three maps of each state:

- A political map of major cities
- A physical map showing mountains, rivers, etc.
- A road map of interstate and highway routes

Special care has been taken to insure that map features are discriminable.

5-87431-00.....\$567.00



Braille World Atlas

APH has created this special world atlas just for braille readers. It has 37 maps with descriptions, including the solar system; the seasons; continents; oceans; countries; and the regions and states of the United States. Recommended ages: 8 years to adult.

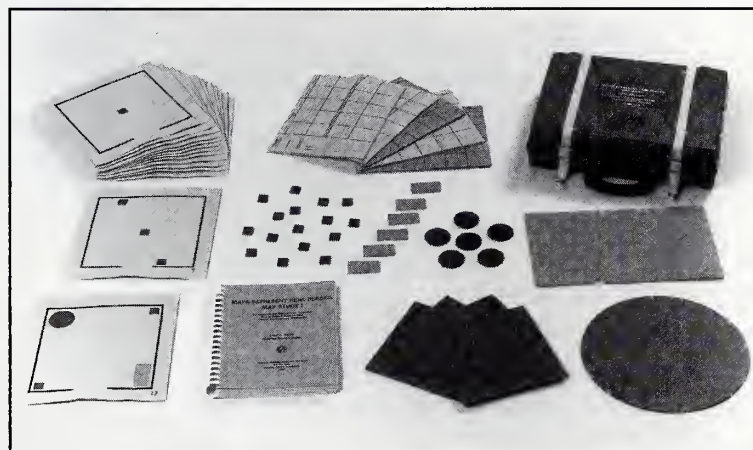
5-06000-00.....\$64.24

Map Study Programs

Maps Represent Real Places: Map Study I

Introduces basic map concepts using a classroom and other known environments. Students learn to find objects and to identify map symbols representing objects. The 80-lesson program helps you measure progress and choose lessons and activities to meet your student's needs. Includes:

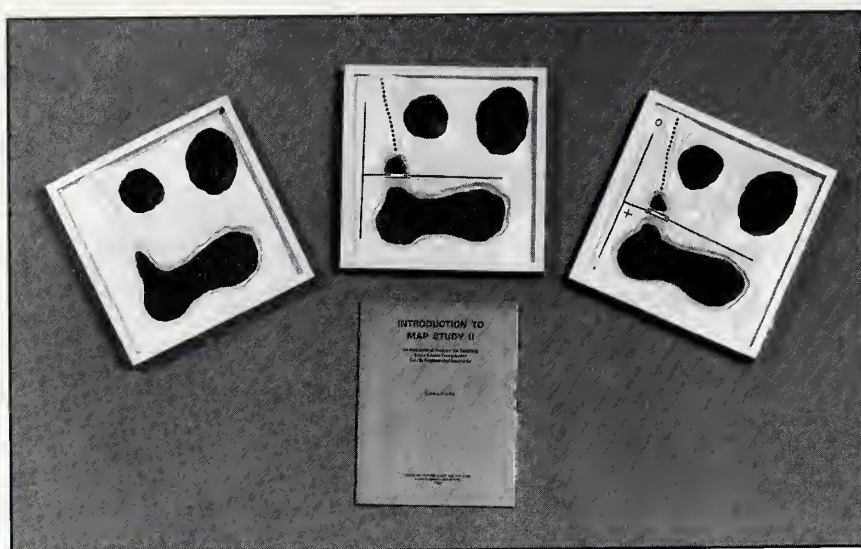
- ✓ Tactile, high contrast color maps of various room arrangements, and sheets for student mapping
- ✓ Large, bright symbols to place on objects in a room, and identical, smaller symbols for maps



Recommended ages: 4 years and older.

1-01130-00.....\$120.00

*Note: Teacher materials are in regular print only.
Quantity discount available! See page 68.*



Basic Map Reading Concepts: Map Study II

Presents 30 map reading concepts in three general areas: location and direction; finding corners; and diagonal, vertical, and horizontal movement. Includes 13 sequential lesson plans in regular print and three plastic relief maps with contrasting colors, to introduce areal, linear, and point symbols. Recommended ages: 5 years and older.

1-01120-00.....\$75.55

Recognizing Landforms: An Audio-Tutorial Program in Map Study

Make learning geography fun with help from the lively characters on these instructional tapes! This program introduces 40 geographical concepts (distinguishing mountains from valleys, channels from bays, etc.) Includes 10 brightly colored tactile landforms made of high-impact plastic, six 2-track, 1 7/8 ips cassette tapes, and teacher's and program manuals in regular print. Recommended ages: 6 years and older.

1-01110-00.....\$74.70



Other products related to geography appearing in this catalog:

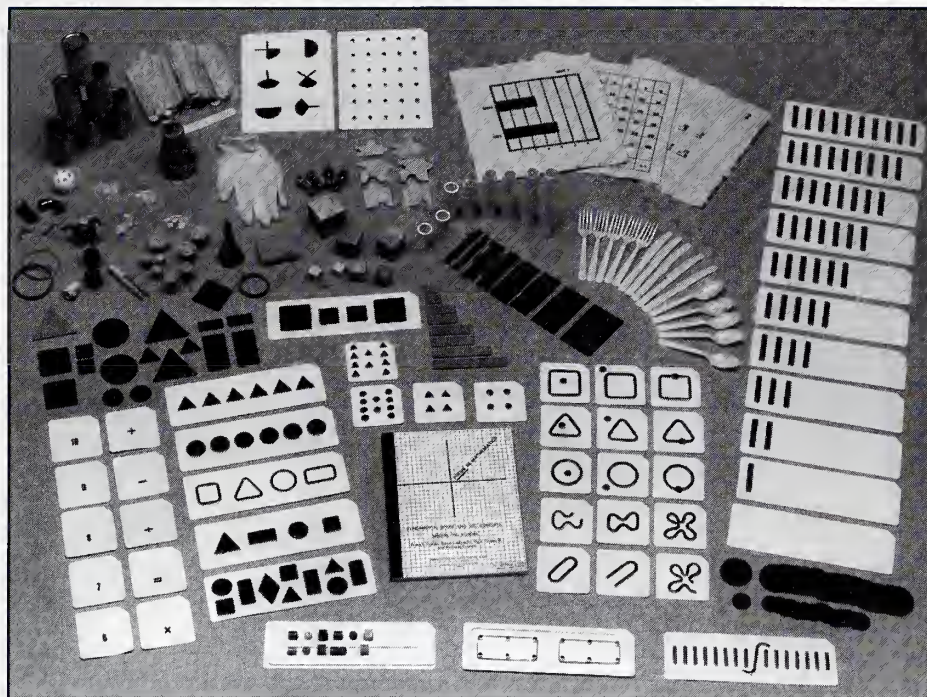
- NOMAD Maps—see center Sale Section
- O & M Graphics—see Orientation & Mobility

Our mathematics products help your students through the use of concrete examples they can feel.

FOCUS in Mathematics

Activity-based program emphasizes the fundamental operations, properties, and structures of mathematics. You get a set of over 400 materials, each designed to be easily handled and to offer excellent tactile and visual contrast. Concepts are taught through the manipulation of objects. Operations and concepts include:

- Sorting, matching, counting
- Addition and subtraction
- Fractions
- Graphs
- Time and money, etc.



FOCUS in Mathematics comes with an Academic Program (general use) manual. Special manuals are available separately with activities for deaf/blind or multihandicapped students. Recommended ages: 4 years and older.

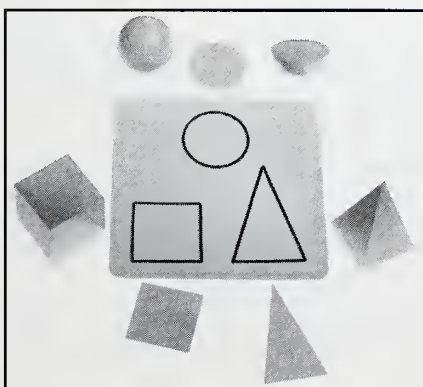
Academic Program Complete Kit:
1-08280-00.....\$270.75

Quantity discount available! See page 68.

Replacement Academic manual (already included in complete kit): 7-42700-00.....\$49.00

Deaf/Blind manual (NOT included in complete kit):
7-42710-00.....\$54.66

Multihandicapped manual (NOT included in kit):
7-42720-00.....\$54.66



Geometric Forms

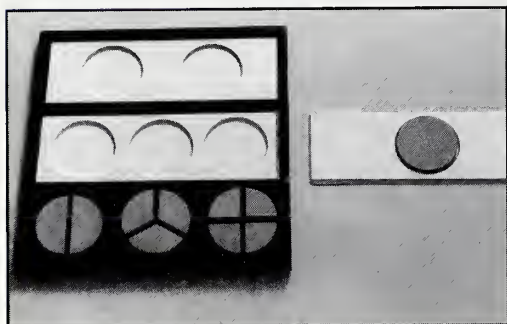
Introduces primary students to three basic shapes: the circle, square, and triangle. Kit includes three plane figures, four solid figures, and a white, vacuum-formed plastic sheet illustrating the three shapes in black, raised lines. Recommended ages: 5 years and older.

1-03410-00.....\$29.10

Fractional Parts of Wholes Set

Tactile circles introduce the concepts of wholes, halves, thirds, and fourths. This set contains:

- ✓ One work tray
- ✓ Three form boards with one, two, and three recesses, respectively
- ✓ Four 3 inch diameter circles, one whole and the others cut into halves, thirds, and fourths



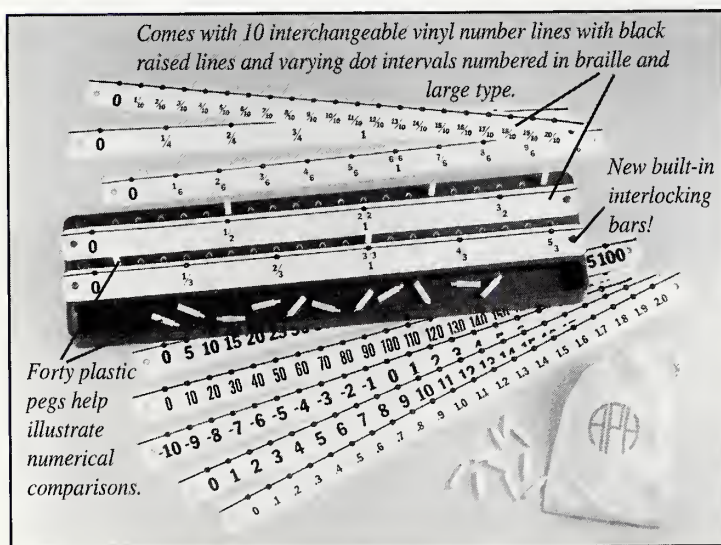
Recommended ages:
6 years and older.

1-03290-00..\$30.75

APH Number Line Device

Supplemental device bridges the gap between concrete representations and abstract concepts of numbers. Base measures 24 1/2 x 6 1/2 inches and holds two number lines for comparison (e.g., tens and fourths). Instructions in regular type. Recommended ages: 6 years and older.

1-03480-00.....\$55.50

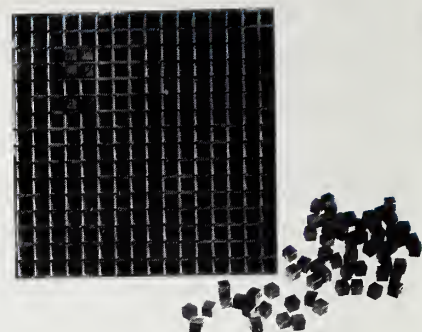


Cranmer Abacuses and Couplers sold separately.

Brannan Cubarithm Slate and Cubes

Young students may find it easier to use this device rather than a brailor for

problems such as multiplication. A rubber frame with a 16 x 16 grid pattern of nests will hold small plastic cubes numbered 0 through 9 in braille. Frame measures 8 3/4 x 9 inches. Each cube represents one digit. Frame and cubes are sold separately. Recommended ages: 6 years and older.



Cubarithm Slate 1-00320-00.....\$14.55

Plastic Cubes (Set of 100) 1-00330-00.....\$14.00

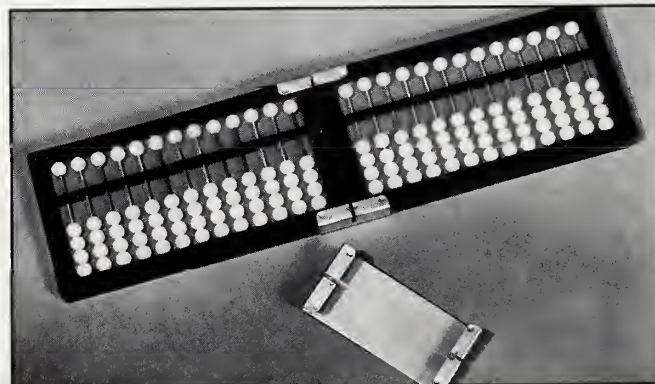
Abacuses—useful, tactile calculating tools for students and adults.

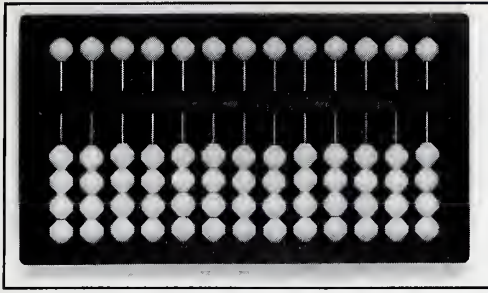
Cranmer Abacus

13-rod abacus similar to a Japanese soroban. Its frame measures 6 1/8 x 3 1/4 inches and is made of high-impact plastic. Beads are formed of a rigid plastic with a diameter of approximately 3/8 inch. Felt backing prevents beads from slipping. An optional metal coupler is available for linking two abacuses together. Recommended ages: 8 years and older.

1-03150-00.....\$15.55

Coupler for Cranmer Abacus 1-03160-00.....\$5.15





Large Abacus

Young students and those without fine motor skills can benefit from this large version of the Cranmer Abacus. Frame measures $8 \frac{1}{4} \times 4 \frac{1}{2}$ inches and the bead diameter is approximately $\frac{1}{2}$ inch. Both the frame and beads are made of high-impact plastic, and a felt backing prevents the beads from slipping.

1-03170-00.....\$19.15

Graphic Aid for Mathematics

Use this aid to construct geometric and other mathematical figures related to the study of arithmetic, algebra, geometry, trigonometry, and calculus. The Graphic Aid for Mathematics consists of a cork composition board mounted with a rubber mat which has been embossed with a grid of $\frac{1}{2}$ inch squares. Board measures $18 \times 19 \times 1$ inches. Included are three flat spring wires, 14 push pins, and a supply of rubber bands. Recommended ages: 8 years and older.

1-00460-00.....\$89.10

Abacus Instructions

Not pictured

These books cover the operations of an abacus:

***The Abacus Made Easy*, by Davidow, M.:**

Braille Edition: 5-00220-00.....\$100.80

Large Type Ed.: 4-00100-00.....\$10.49

***Using the Cranmer Abacus for the Blind*, by Fred Gissoni:**

Braille Edition: 6-50100-00.....\$63.00

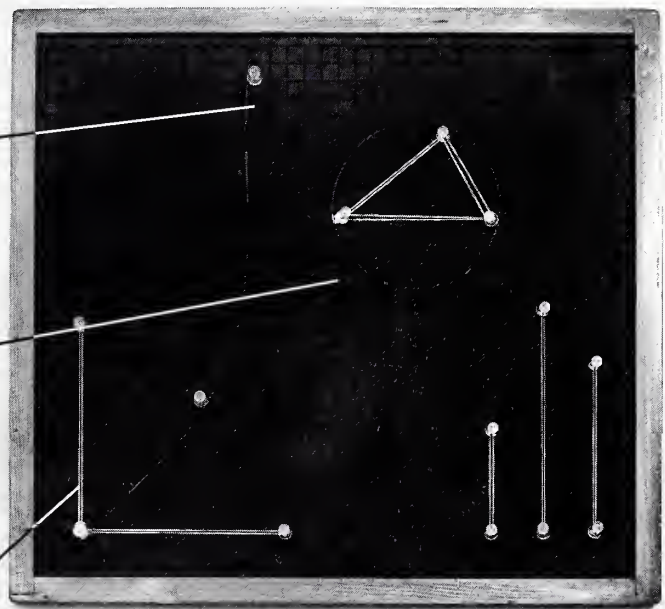
Large Type Ed.: 4-27110-00.....\$10.50

Math students can use this product to construct many different types of graphs.

The first step in constructing figures is to insert push pins at the appropriate coordinates.

To make circles and arcs, use flat spring wires between pins.

To make straight lines between points, connect pins with rubber bands.



Other items related to mathematics appearing in this catalog:

- Bold-Line, Embossed, and Low-Relief Embossed Graph Sheets—see Writing Supplies: Graph Paper
- Clock Face with Raised Print and Braille Numbers—see Early Childhood and Multihandicapped
- See Computer Products for several products
- See center Sale Section for several products
- Tangible Graphs—see Literacy: Braille Instruction: Language Arts
- Raised-Line Checkbook for Educational Purposes—see Prevocational Products

Help your students understand English and metric measurement.

1-Foot Braille Rulers

Molded plastic rulers are 1 1/2 inches wide and 1/4 inch thick, tapering to the reading edge. A metal caliper slide, which aids in accurate measurement, is included with each ruler and is also available separately. Recommended ages: 5 years and above. Two versions of this ruler are offered:

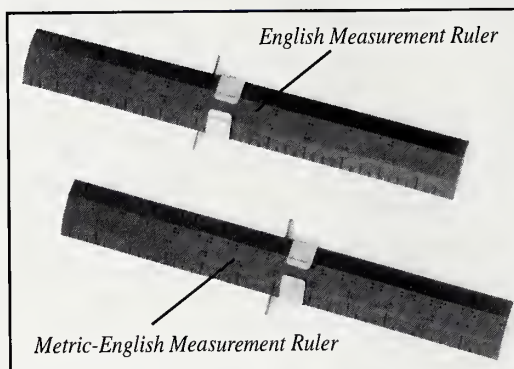
English Measurement Ruler:

Inches and fractions are marked by raised lines. Braille numbers are located at one inch intervals. One edge is divided into fourths and the other is divided into eighths.

1-03070-00....\$3.90

Metric-English Measurement Ruler: Contains both metric and English markings for versatility and comparison. Metric edge has raised lines at half-centimeter intervals and braille numbers every two centimeters. The English measurement scale on the opposite edge has raised lines every 1/4 inch and braille numbers at each inch marker. Recommended ages: 5 years and above.

1-03100-00.....\$5.50

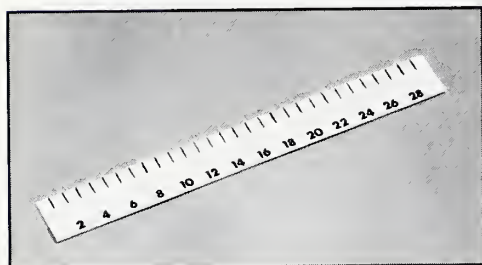


Caliper Slide for Either Ruler (package of five):

1-03091-00.....\$7.30

Flexible Rulers

These unique rulers, made of a flexible white plastic, allow tactual and visual measurement of both flat and curved surfaces. Recommended ages: 5 years and older. Two styles are offered:



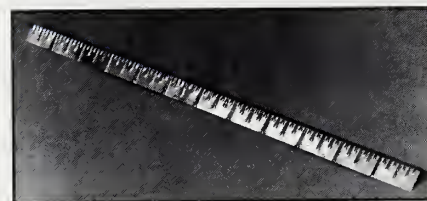
18-Inch Flexible Rulers: Each inch is marked with a raised black line and labeled in both braille and large type.

Package of five. 1-03050-00.....\$9.95

30-Centimeter Flexible Rulers (not pictured): Has raised black lines and braille and large type numbers.

Package of five. 1-03031-00...\$9.35

APH Glue-Down Rules



Brass rules, one foot long x 1/2 inch wide, that you can bond to sewing machines, band saws, drawing boards, etc. Raised lines indicate divisions down to 1/8 inch. Recommended ages: 8 years and older. *Package of five.* 1-03081-00.....\$6.50

Meterstick

Not pictured

Plastic, drilled for hanging, with raised lines every centimeter, and braille every other centimeter; thick raised lines for decimeters. Recommended ages: 5 years and older. 1-03000-00.....\$13.25

Other items related to measurement appearing in this catalog:

- *Elementary Volume 1—Mathematics*—see center Sales Section.

We have several products to aid you in teaching orientation and mobility.



O & M Tactile Graphics

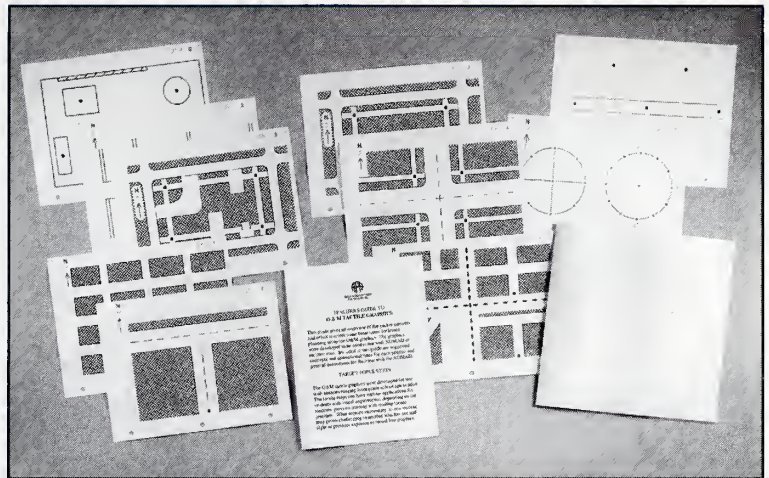
Provides a platform for teaching and practicing concepts integral to orientation and mobility—concepts such as compass directions, clock locations, and navigating outside (streets and sidewalks) and inside (rooms and hallways). Set of materials contains:

- ✓ 10 tactile graphics
- ✓ Teacher's Guide in print and in braille

Each puff-ink tactile graphic is numbered and 3-hole punched. The use of symbols is consistent from one graphic to the next. Graphics were developed to be used either with the NOMAD Talking Touch Pad (also available from APH) or on their own. Teacher's Guide gives you basic ideas for lesson planning using the graphics, suggested concepts and instructional hints for each graphic, and general instructions for their use with the NOMAD.

O & M Tactile Graphics, Regular Version:

1-20100-00.....\$29.00



O & M Tactile Graphics, Regular Version

Special package for use with the NOMAD includes the components listed above plus:

- ✓ A regular print booklet entitled "Using the Graphics with NOMAD"
- ✓ Two PC-formatted computer disks (3 1/2 inch and 5 1/4 inch) with spoken information about the graphics
- ✓ A Macintosh®-formatted 3 1/2 inch disk with the same information

O & M Tactile Graphics—NOMAD Version:

1-20101-00.....\$39.00

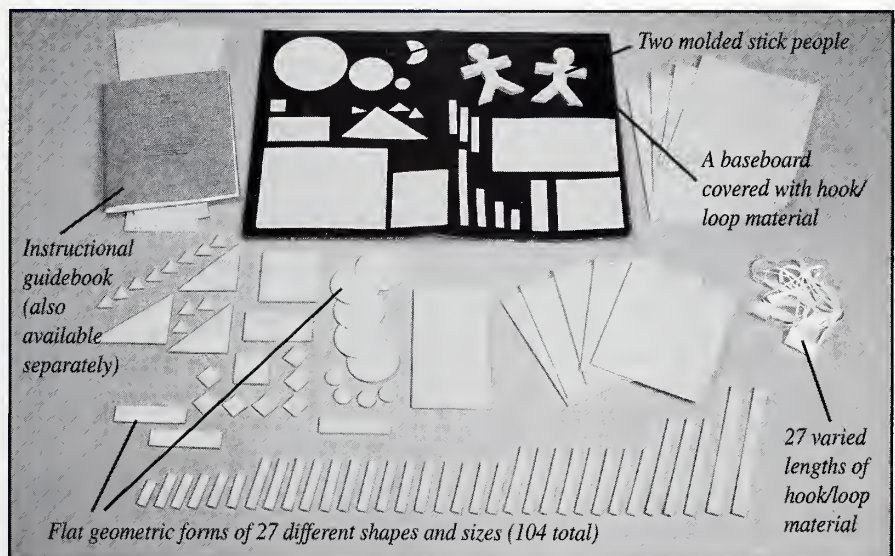
Chang Tactual Diagram Kit

Tactile aid for teachers of orientation, mobility, and other curricula. Construct diagrams and maps using bright yellow plastic pieces that adhere to a dark felt board. Entire set is contained in a sturdy carrying case (not shown). Recommended ages: 6 years and older.

1-03130-00.....\$114.35

Instructional Guidebook only:

7-21900-00.....\$18.45



Portable Sound Source II

Produces a pulsing tone that provides a source of auditory directional cues for orientation and mobility training or for playground games.

- Rate of the tone is continuously variable from 36 to 360 pulses per minute
- Pitch is continuously variable from 600 hertz to 1200 hertz
- On/off switch and rate, volume, and tone knobs are mounted on the front face
- Speaker measures 3 1/2 inches
- Powered by a 12-volt lantern battery (included)
- Measures 8 x 9 x 3 1/2 inches
- Weighs approximately 6 pounds

Includes print instructions. Recommended ages: 6 years and older.

1-03040-00.....\$205.25

Quantity discount available! See page 68.

Sound Localization Manual:

8-16080-00.....\$3.15



Other items related to orientation and mobility appearing in this catalog:

- Abacuses (for counting blocks, turns, or landmarks)—see Mathematics
- Graphic Aid for Mathematics—see Mathematics
- Low Vision Observation Checklists—see Low Vision Products
- Map Studies I and II—see Geography
- NOMAD by APH—see center Sale Section
- See Literacy: Braille Instruction: Tactile Graphic Tools for several products

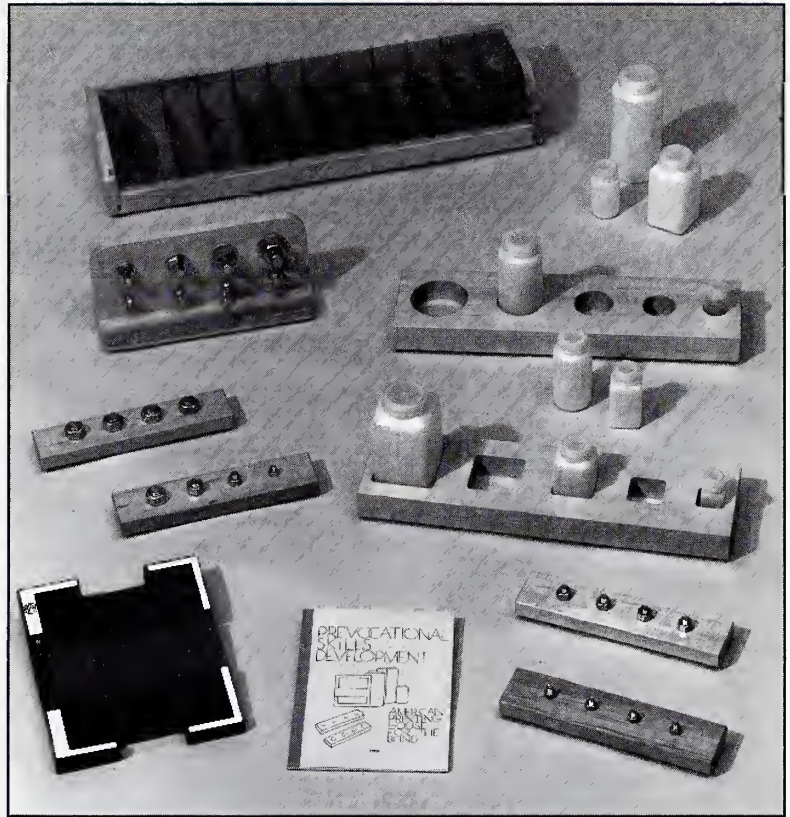
Students can begin to develop workplace skills with these products.

Prevocational Skills Development Materials

Designed for multihandicapped students, this kit, along with other materials suggested in the guidebook, develops various manipulative skills and the basics of matching, sorting, counting, assembling, seriating, and packaging.

Contains six sets of materials (items also available separately):

- ✓ **Paper-Folding Jig:** Assists in 3-part folding of 8 1/2 x 11 inch paper
- ✓ **Round and Square Containers with Screw Tops:** 10 plastic bottles and two seated boards
- ✓ **Sorting and Assembly Tray:** with adjustable dividers for sorting two to 12 different items
- ✓ **Bolt, Nut, and Washer Board:** with eight bolt, nut, and washer sets of graduating size
- ✓ **Bolt Practice Boards:** four boards with stationary bolts of various sizes with removable nuts
- ✓ **Prevocational Skills Development:** a regular type guidebook



Recommended ages: 10 years and older.

1-08000-00.....\$365.60

Quantity discount available! See page 68.

Items available separately:

Paper-Folding Jig: 1-08010-00.....\$32.70

**Round & Square Containers with Screw Tops:
1-08020-00.....\$125.00**

Sorting and Assembly Tray: 1-08030-00..\$80.00

**Bolt, Nut, and Washer Board:
1-08040-00.....\$33.95**

Bolt Practice Boards: 1-08050-00.....\$87.70

**Prevocational Skills Development (guidebook):
8-01300-00.....\$6.25**

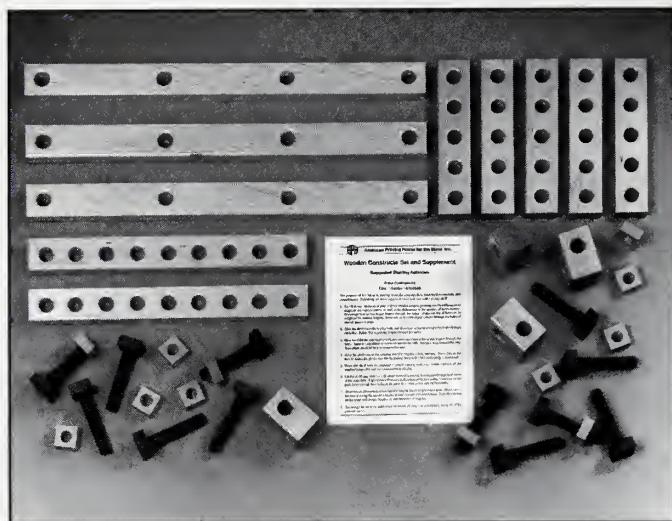


Raised-Line Checkbook for Educational Purposes

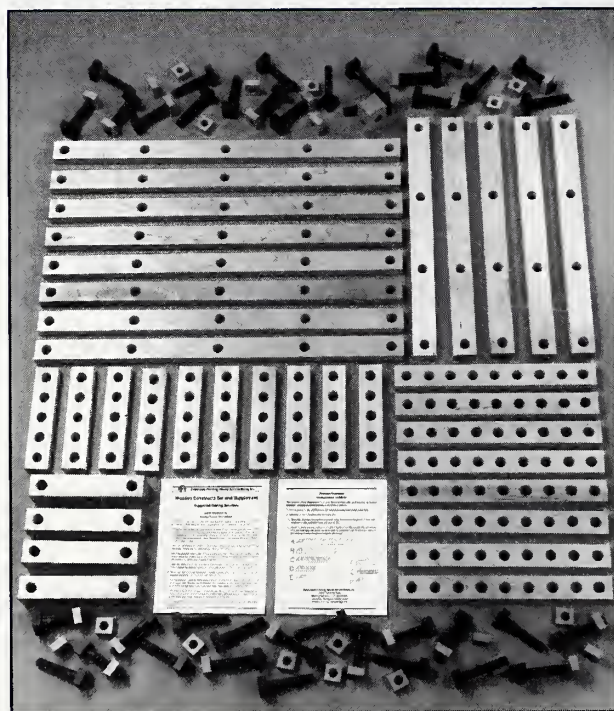
Practice checkbook with raised lines on regulation checkbook paper and interleaved with plain braille paper for stub record keeping. Features perfect binding and 50 perforated checks. Recommended ages: 14 and older. **1-03500-00.....\$12.70**

Wooden Constructo Sets

Choose from two sets that help children to develop creativity, problem solving skills, muscular coordination, manual dexterity, and construction concepts. Construct all types of structures using various



Items may differ slightly from those pictured.



lengths of finished hardwood which have been drilled with holes at regular intervals. Lengths are linked together with nuts and bolts, which are color-coded for easy recognition. Recommended ages: 4 years and older.

Junior Constructo Set

Young children can construct simple shapes with this kit; it's a fun way for them to develop muscular coordination, construction concepts, and inventiveness. Set contains:

- ✓ Twelve red bolts measuring 5/8 inch in diameter and 4 inches long
- ✓ Twelve yellow nuts
- ✓ Four right-angle joints
- ✓ Ten wooden lengths of various sizes

1-03690-00.....\$95.90

Constructo Set Supplement

Older children can expand their creative abilities by creating more complex objects with the Constructo Set Supplement. Kit consists of:

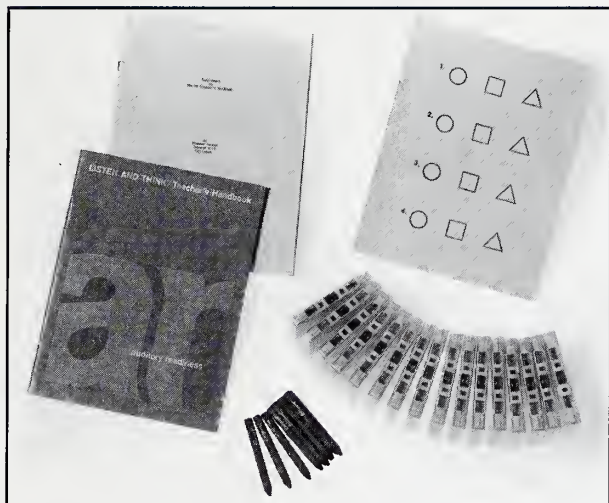
- ✓ Thirty-eight red bolts measuring 5/8 inch in diameter and 4 inches long
- ✓ Thirty-eight yellow nuts
- ✓ Four right-angle joints 9 inches long, and one that is 2 7/8 inches long
- ✓ Forty-one wooden lengths of various sizes

1-03200-00.....\$291.00

Other products relating to prevocational skills appearing in this catalog:

- See Keyboarding Skills for several products
- See Organizational Products for several products

These products on cassette can help students master spelling and listening comprehension.



Listen and Think, Auditory Readiness (AR) Level.

Listen and Think

Students can develop and improve listening comprehension and thinking skills with the three levels of this tape lesson series.

Listen and Think Auditory Readiness (AR) Level:

Covers basic listening skills such as understanding placement (e.g., up and down), using the senses, comparing, and classifying. Includes an introductory tape, 15 lesson tapes, 250 Simple Multiple-Choice Answer Sheets (also available separately), a regular print teacher's handbook (also available separately), and eight plastic crayons. Recommended ages: 5 to 7 years.

1-08510-00.....\$60.00

AR Level Teacher's Handbook and Supplement only: 7-70050-00.....\$14.95

Simple Multiple-Choice Answer Sheets (pack of 50): 1-03680-00.....\$5.15

Listen and Think Levels B and C:

Advanced levels introduce such concepts as identifying main ideas, recognizing sequence, summarizing, classifying, outlining, and comparing. Each level includes:

- An introductory tape and 15 lesson tapes
- 250 each of braille and large type Multiple-Choice, Multipurpose Answer Sheets (also available separately)
- 50 each of braille and large type Progress Charts (also available separately)
- 48 plastic crayons and 300 marking pins
- A regular print teacher's handbook

Level B: (Recommended ages: 7 to 8 years)

1-03890-00.....\$72.75

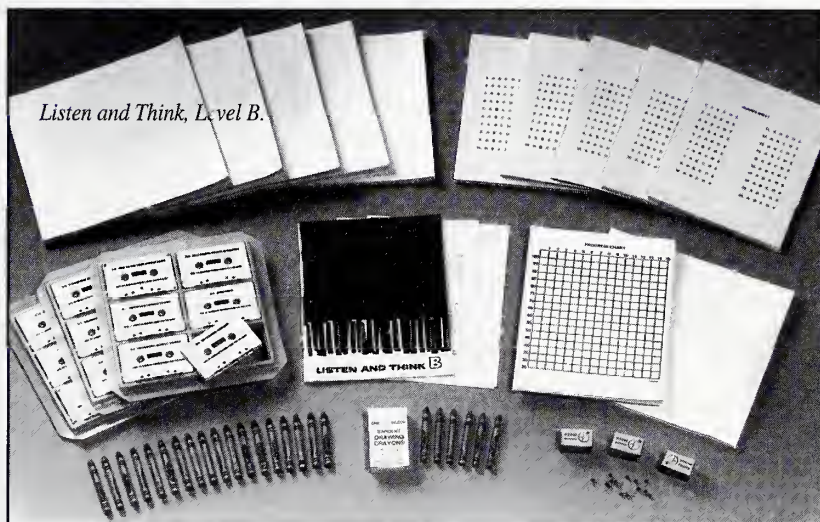
Level C: (Recommended ages: 8 to 9 years)

1-03910-00.....\$72.75

Listen and Think, Teacher's Handbooks only:

Level B: 7-70060-00.....\$14.95

Level C: 7-70070-00.....\$14.95



Multiple-Choice, Multipurpose Answer Sheets only (50 per package):

Braille: 1-04051-00.....\$3.75

Large Type: 1-04072-00.....\$3.25

Progress Charts only (50 per package):

Braille: 1-04050-00.....\$4.10

Large Type: 1-04073-00.....\$3.25

continued on next page:

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Listen and Think Cassette Replacements:

To order a complete set of 16 cassettes, use these catalog numbers. To order a single cassette replacement, use the catalog number listed here plus the lesson number desired.

AR Level Cassettes: C-99960-00.....\$14.50

Level B Cassettes: C-99890-00.....\$14.50

Level C Cassettes: C-99910-00.....\$14.50



The Concise Heritage Dictionary, Recorded Edition contains 55,000 word spellings and definitions.

Concise Heritage Dictionary, Recorded Edition

Based on the *American Heritage Dictionary of the English Language*®, this 55-cassette dictionary contains 55,000 word entries with spellings and definitions. Words are periodically voice-indexed and all words are tone-indexed.

The *Concise Heritage Dictionary, Recorded Edition* is stored in five compact vinyl binders. Both the binders and cassettes are labeled in braille and large type. Cassettes are recorded on four tracks at 15/16 inches per second (ips) and can be used with APH's 4-track cassette players, or the National Library Service (NLS) tape players. Instructions are provided on tape. Recommended ages: 12 years and older.

C-10800-00.....\$93.75

Other items related to recorded materials appearing in this catalog:

- Recognizing Landforms—see Geography
- See Cassette Recorders and Accessories for listening equipment
- Typewriting for Blind Students—see Keyboarding Skills
- Opening Windows—see Computer Products
- MAT Training Modules—see Computer Products
- *On the Way to Literacy* cassette handbook—see inside back cover
- Light Box Materials Activity Guides on Cassette—see Low Vision Products

Computers unlock countless opportunities. You can gain access to this world of knowledge with our hardware and our training materials.

Braille 'n Speak Classic

Unique computerized talking device has been called a "talking Swiss Army Knife®"—it has many features to help you be more productive at school, on the job, at home, or on the road! Designed to be an introductory level machine for students and adults who are braille users, the Classic is distributed exclusively by APH and *can* be purchased with Federal Quota Funds.

You input data and commands through a seven-key keyboard similar to that found on a mechanical braillewriter. This small, portable, rechargeable unit has uncounted functions, among them:

- **Word Processing:** includes cut and paste, searching for text, and writing in either Grade 2 Braille or "ASCII Braille." You can store over 200 pages of braille text in memory!
- **Word Processor File Organizing:** for naming files and searching for files by name or number.
- **Talking Telephone/Address Directory:** lets you locate needed information in seconds.
- **Hard Copy Output in Either Braille or Print:** through connection with a braille embosser or ink printer. The built-in braille-to-print translator eliminates rewriting!

Specifications for the Braille 'n Speak Classic

- ✕ Size: 8 1/8 x 4 1/8 x 7/8 inches
- ✕ Weight: 13 1/2 ounces
- ✕ Battery: Built-in rechargeable; operates for 12 to 20 hours after an overnight charge
- ✕ Ports: Earphone jack, power jack, RS-232 serial port, disk drive port
- ✕ Memory: 180K of RAM for up to 40 word processor files
- ✕ Speaker: Built into upper surface of case

Note: All APH computer products are usable by totally blind persons. APH offers a selection of braille, large type, cassette, and disk-based books related to computers. For more information, please see our *Catalog of Accessible Books*.



Braille 'n Speak can help organize your life.

The Braille 'n Speak Classic is amazingly compact and unbelievably versatile!

- **Talking Clock/Calendar/Stopwatch**
- **Scientific Calculator:** including logarithms, trig functions, standard deviations, much more.
- **Talking Computer Terminal:** hook it up to a modem to get on computer bulletin boards such as CompuServe®.
- **Battery Powered Speech Synthesizer:** gives voice to your personal computer when used with appropriate screen access software.

Items Included with the Classic:

- ✓ Soft leather carrying case
- ✓ Battery charger/AC adaptor, earphone, and serial interface cable
- ✓ User manuals (large type, cassette, and on 3 1/2 inch PC and 5 1/4 inch Apple® II disks)
- ✓ Cassette tutorial and large print/braille Command Quick Reference

Braille 'n Speak Classic:

1-07309-00.....\$929.95

Quantity discount available! See page 68.

continued on next page

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Optional Items for the Braille 'n Speak Classic:

- ~ **Apple Cable:** for use with an ImageWriter® II printer or an Apple IIGS® or Macintosh® computer. **1-07313-00.....\$35.00**
- ~ **Interface Kit:** includes a variety of connectors to hook up to computers, printers, and modems. **1-07312-00.....\$63.00**

- ~ **Serial to Parallel Converter Cable:** to communicate with parallel devices, such as printers. **1-07314-00.....\$71.00**

Replacement Manuals:

- Large Type: 7-07309-00.....\$6.35**
- Cassette: C-07309-00.....\$0.95**

Extended Warranty:

- One-Year: 1-07315-00.....\$100.00**
- Two-Year: 1-07316-00.....\$175.00**

Braille 'n Speak 640

This model features greatly expanded RAM to give you greater file storage capacity. It comes with 640K of file memory and 256K of program memory and has all the features mentioned for the Braille 'n Speak Classic, including a more powerful word processor and the ability to load external programs, such as games, personal accounting, and spell checking. *Braille 'n Speak 640 is not available on Quota.*

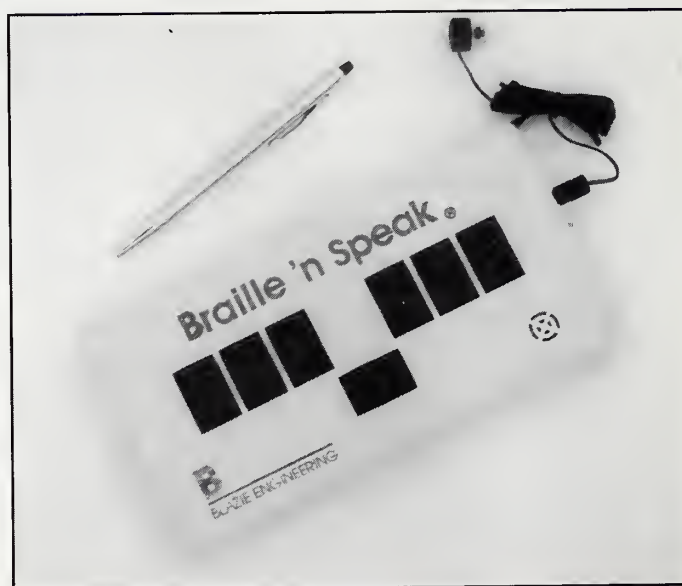
Items Included with the Braille 'n Speak 640:

- ✓ Soft Leather Carrying Case
- ✓ Battery Charger/AC Adaptor
- ✓ Earphone
- ✓ Serial Interface Cable
- ✓ Interface Kit (including the twiddle-dump)
- ✓ Manuals in large print and on cassette tape
- ✓ Cassette Tape Tutorial
- ✓ Braille Quick Reference Guide

Braille 'n Speak 640:

1-07311-00.....\$1,359.00

NOT AVAILABLE ON QUOTA



Braille 'n Speak 640 features a large amount of memory for increased file storage.

Specifications for the Braille 'n Speak 640

- ✕ Size: 8 1/8 x 4 1/8 x 7/8 inches
- ✕ Weight: 13 ounces
- ✕ Battery: Built-in rechargeable; operates for 12 to 20 hours after an overnight charge
- ✕ Ports: Earphone jack, power jack, RS-232 serial port, disk drive port
- ✕ Memory: 640K of RAM; can hold up to 760 braille pages
- ✕ Speaker: Built into upper surface of case



Microcomputer Access Technology Training Modules

Each module takes you step-by-step through a series of practice exercises designed to introduce you to the basic functions of a specific piece of popular computer access software or hardware. Each concludes with an informal quiz to test understanding. Recommended for students junior high or above, visually impaired adults, and vision teachers/trainees.

AppleWorks®

Focuses specifically on the word processor portion of the multifunction software package *AppleWorks*.
D-55101-00.....\$15.80

BEX BRAILLE·EDIT·XPRESS

Multifunction program written specifically for visually impaired computer users. You'll learn the basics of *BEX* braille translation; word processing; display magnification; standard or braille keyboard input; and different forms of output.

D-55102-00.....\$15.80

ProWords/ProBraille

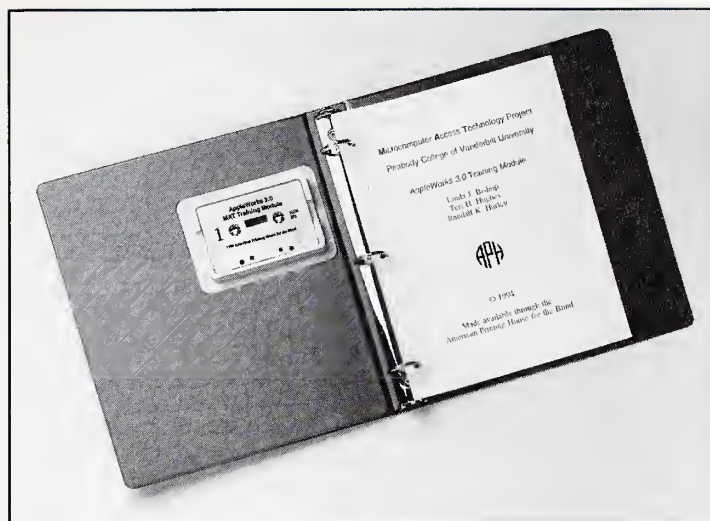
A word processor for users of speech output; *ProBraille* is the companion braille translation program. You'll learn how to create, edit, and print a *ProWords* document and produce a hard copy braille translation with *ProBraille*.

D-55103-00.....\$17.15

Braille 'n Speak®

Covers the basic operations and functions of this versatile device, including setting voice parameters, using the filing system, and reading, writing, and editing documents. Includes a braille and large print expanded reference guide to commands.

D-55104-00.....\$18.10

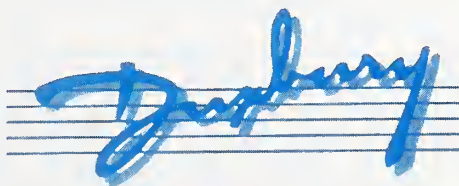


All MAT training modules include a large print text, a 4-track cassette, and a vinyl binder.

ZoomText™

ZoomText and *ZoomText Plus* are screen magnification programs. This module goes through many of the commands that allow you to adjust the zoom, magnification, and font of the text, as well as configure the program to individual preferences.

D-55105-00.....\$15.00



Introduces the basic operations of *Duxbury*, a translation program to convert *WordPerfect* files to Grades 1 or 2 Braille files. The module guides you in selecting preferences for translating and formatting, and in carrying out the translation and braille printing of a document. D-55106-00.....\$17.50

*Note: MAT Training Modules are not designed to replace the manuals that come with the products, but are supplements to them. They do **not** contain the actual software programs, nor does APH sell the programs.*

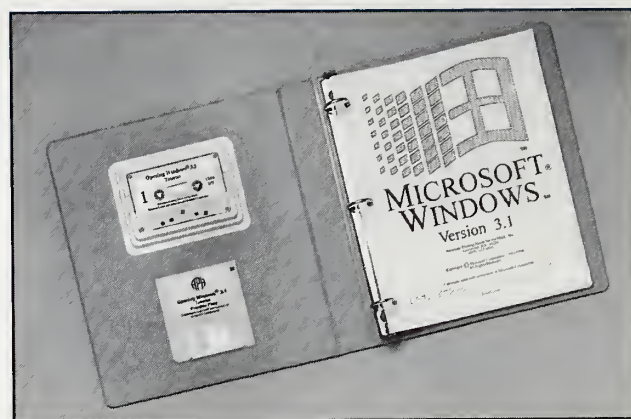


Opening Windows: A Talking and Tactile Tutorial for Microsoft® Windows™ 3.1

Enables visually impaired computer users to get acquainted with the Microsoft® Windows™ 3.1 operating environment. Windows' graphic-based user interface can cause great difficulty for people who are visually impaired; Opening Windows bridges the gap with tactile images of Windows layouts, as well as keyboard hints that bypass visual icons, resulting in broadened job opportunities for blind PC users.

Opening Windows includes:

- ✓ Eleven raised line reproductions of various Windows screen layouts
- ✓ An audio cassette (15/16 ips, 4-track) tour of the basic structure of a Windows setup
- ✓ A 3 1/2 inch computer disk with practice files



Whether you use screen enlargement, speech access, or braille access technology, Opening Windows can help guide you through the maze of Windows screens. Requires Windows 3.1 operating system.

D-64510-00.....\$49.95

NOT AVAILABLE ON QUOTA

Note: Opening Windows is a tutorial, and does not contain the Windows 3.1 software program.

We Offer a Very Special Database!

Do you need textbooks and other materials in special media offered by APH and by other sources?

Subscribe to the CARL ET AL Database!

This on-line catalog lists over 120,000 titles from across North America in a variety of accessible media.

Call 1-800-223-1839 for more information!

Other items related to computers appearing in this catalog:

- White Fanfold Tractor-Feed Transcribing Paper—see Writing Supplies: Braille Paper
- PC Typer—see Keyboarding Skills
- See the center Sale Section for numerous computer products

Keyboard skills open the door to a world of knowledge and communication!

PC Typer (MS-DOS Compatible)

PC Typer is an interesting and motivating way to help visually impaired students become confident, competent computer keyboard operators on an IBM® or compatible computer running *MS-DOS*®. It reinforces mastery of the main characters on the PC keyboard through:

- **Keyboard Drills**—prepared fingering drills to increase speed and accuracy
- **Hurry Scurry**—game for additional keyboarding practice
- **Open Typing**—blank screen for timed typing
- **Learn the Keyboard**—announces keys pressed to help students learn the key locations

The Teacher program allows you to:

- Customize the program through numerous options (student record maintenance, lesson lists, motivational features, and more)
- Edit the lessons and drills on the disk or create your own
- Review, print, or delete student records

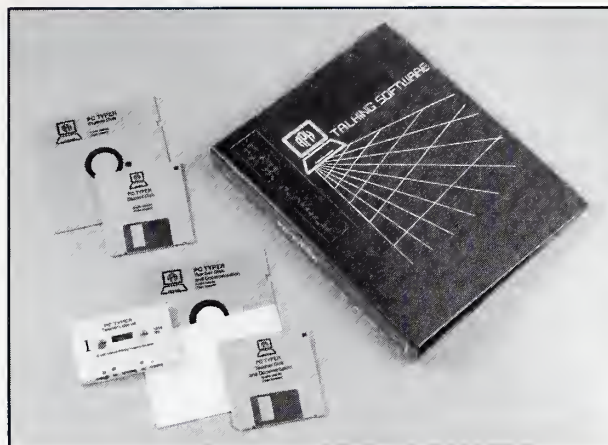
PC Typer (complete version): comprised of one 3 1/2 inch and one 5 1/4 inch Teacher Disk; one 3 1/2 inch and one 5 1/4 inch Student Disk; and the Teacher's Manual in large type, on 15/16 ips cassette, and on the disks. **D-57000-00.....\$49.95**

PC Typer: 3 1/2 Inch Lab Pack contains five 3 1/2 inch Student Disks. **D-57001-00...\$34.95**

PC Typer: 5 1/4 Inch Lab Pack contains five 5 1/4 inch Student Disks. **D-57002-00...\$34.95**

Free Demonstration Disk!

Call 1-800-223-1839 to receive a free
PC Typer demo disk!



Recommended ages: *PC Typer* can be customized for any age. Lessons on the disk are appropriate for learners with a developmental age of 10 years or above.

Requirements to Run: 250K of free memory to run the teacher or student programs separately; 500K to run the student program from within the teacher program (a useful but not essential feature).

*PC Typer is designed for speech output; most commercially available speech synthesizers and screen access programs will work with it. Likewise, most large type access programs will work if set to follow the program's cursor. APH's Speaqualizer speech access system will **not** operate with PC Typer.*

Volume Discounts for PC Typer!

These are different from the Quantity Discounts offered on other products.

PC Typer (complete version):

1–5 Copies (no discount) ... \$49.95 each
6–40 Copies \$39.95 each
41 Copies and Up \$34.95 each

PC Typer: 3 1/2 Inch Lab Pack:

1–5 Copies (no discount) ... \$34.95 each
6–40 Copies \$24.95 each
41 Copies and Up \$19.95 each

PC Typer: 5 1/4 Inch Lab Pack:

1–5 Copies (no discount) ... \$34.95 each
6–40 Copies \$24.95 each
41 Copies and Up \$19.95 each

Discount items must have the same catalog number, be purchased on the same order, and be shipped to the same location.

Typewriting for Blind Students

Cassette tape instructional program is designed to help teach the typewriter keyboard and to develop typing speed and accuracy. It contains two sets of

progressive lessons: one for classroom instruction and one for use by individual students as they work at their own rate. All cassettes are recorded at 15/16 inches per second. Recommended ages: 7 years and older.



Teacher Kit: Includes a teacher's manual, five cassettes containing 10 lessons for keyboard instruction, and nine cassettes containing skill-building lessons for individual work.

1-08880-00.....\$28.05

Student Kit: Includes nine cassettes containing all the skill-building lessons for individual work.

1-08970-00.....\$15.55

APH Has Another Catalog!

Do you need textbooks and other materials in special media?

Ask for the APH Accessible Books Catalog!

This catalog lists thousands of titles available from APH in a variety of special media.

Call 1-800-223-1839 for your free copy!

Other Items Related to Keyboarding Skills in This Catalog:

- *Letter TALK+*—see the center Sale Section
- *Talking Typer*—see the center Sale Section
- Braille Keyboard Model for the Apple //e—see the center Sale Section
- Braille Keyboard Overlay for the Apple IIGS—see the center Sale Section

*We have products for organizing
"your stuff" at work, school, or home.*

Materials Carry-All

Sturdy container for storing and transporting materials of all types. Contains 1 3/4 cubic feet of storage space with detachable lid, wrap around straps, and carrying handle. Made of tough plastic. Unit measures 10 5/8 x 24 x 14 1/4 inches and weighs less than 4 pounds. **1-02590-00.....\$41.55**

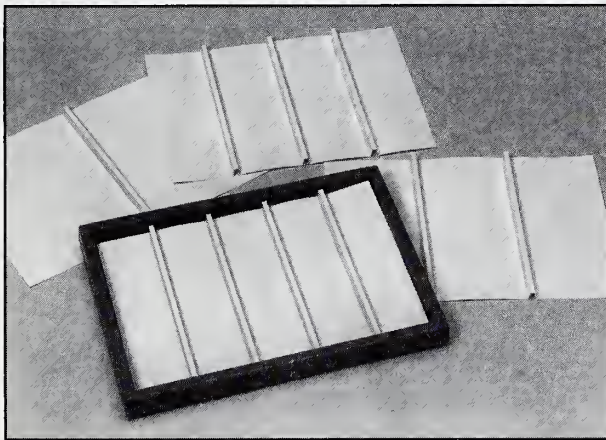
Parts Tray for Materials Carry-All: Optional 5-inch deep tray fits snugly into the top portion of the Carry-All. **1-02591-00.....\$16.60**



Note: The Carry-All you receive may be black rather than the tan pictured here.

Work-Play Trays

Durable trays will hold objects which might otherwise roll or be knocked out of reach; they can provide enclosed work space for various tasks, such as sorting, matching, classifying, and counting.



Choose from two sizes and colors:

Small Work-Play Trays (17 x 11 3/4 inches):

Gray: 1-03750-00.....\$16.75

Yellow: 1-03660-00.....\$16.75

Dividers for Small Work-Play Trays: interchange them to divide the work area into two, three, four, or five parts. **1-03770-00.....\$11.40**

Large Work-Play Trays (21 1/4 x 13 1/4 inches):

Gray: 1-03760-00.....\$17.65

Yellow: 1-03740-00.....\$17.65

Small Work-Play trays and dividers (sold separately).

Other Organizational Products in This Catalog:

- Sorting and Assembly Tray—see Prevocational Products
- Cassette Containers—see Cassette Recorders & Accessories
- Cassette Trays—see center Sale Section
- SlateMate—see Writing Equipment: Slates
- Notebooks and Binders—see Writing Supplies: Braille
- Recorder Carrying Cases—see Cassette Recorders & Accessories
- NOMAD Carrying Case—see center Sale Section

Many visually impaired people have some useful vision.

APH products can help you use your remaining vision to the fullest extent possible.



Big Picture

Do you find it difficult to read the fine print of a newspaper? Do you depend on someone to read your personal mail and other important documents? There is a solution to help you regain the freedom to read whatever you want, whenever you want to read it.

Imagine the simple joy of being able to read again.

Find telephone numbers, read medicine labels, see stock market tables, follow food package directions, and view photos independently.

What is the Big Picture?

Big Picture is a hand-held closed circuit television camera that magnifies printed material onto your TV screen. Now, the smallest of print can be read with ease.

Simple to use!

A single cable easily attaches Big Picture to any TV. Return to regular TV viewing with the flip of a switch. Big Picture is completely portable and weighs less than five pounds.

Seeing is believing.

Try it risk free for 30 days! If you're dissatisfied for any reason, return it for a full refund.

1-03930-00.....\$505.95

NOT AVAILABLE ON QUOTA.

Quantity discount available! See page 68.



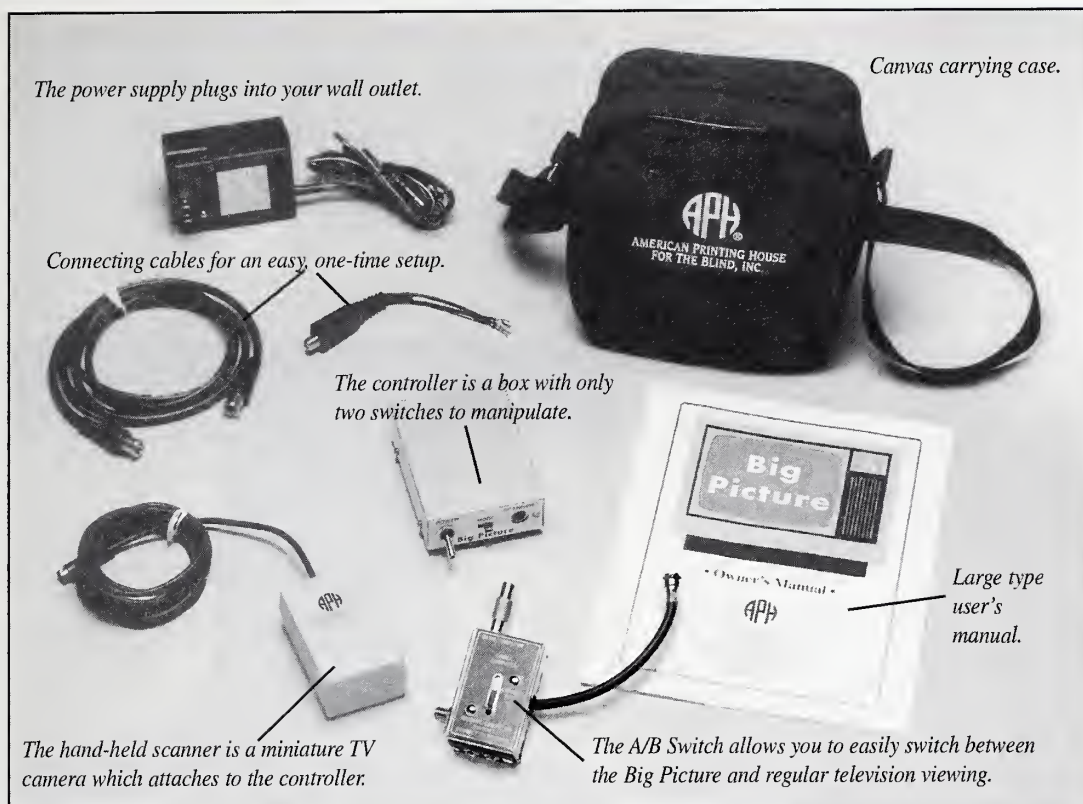
How Large Does It Magnify?

That depends on the size of your TV screen. For example, if you have a 19 inch screen, it will magnify 10 point type approximately 22 times. Each letter will be slightly larger than 3 inches.

TV Screen Size	Magnification Factor	Letter Size on Screen
19"	22X	3.08"
25"	30X	4.06"
31"	36X	5.03"

continued on next page

Big Picture includes everything you need to start magnifying print after a simple, one-time hookup to your TV set.



Three Settings for Different Kinds of Applications:

**Big
Picture**

Enhanced: Black letters on a white background

**Big
Picture**

Reversed: White letters on a black background

**Big
Picture**

Gray Scale: Ideal for photos

Specifications for Big Picture's Major Components

Hand-Held Scanner (Camera):

- X **Type:** Charge Coupled Device (CCD), black and white
- X **Focal Length:** Approximately 10 cm., fixed focal length
- X **Dimensions:** 1 1/4 x 2 1/2 x 1/12 inches
- X **Weight:** 5 oz.
- X **Cable Length:** 6 feet

Controller

- X **Dimensions:** 3 1/4 x 4 1/2 x 1 1/4 inches
- X **Weight:** 10 1/3 oz.
- X **Power:** Comes with a 12V DC Power Adapter, which plugs into 120V AC, 60Hz outlet. UL® approved

Materials on Utilization of Low Vision (ULV)

Designed to determine if a student's residual vision is being fully utilized. The ULV materials consist of two kits purchased separately. Recommended ages: 5 years and older.

Teacher's Kit includes:

- ✓ A Teacher's Guide
- ✓ Visual Efficiency Scale and Directions for Administering
- ✓ Profile of Visual Skills and Behavior
- ✓ Record of Performance of Visual Efficiency Scale

Visual Efficiency Scale Kit includes Directions for Administration of Visual Efficiency Scale, ten Visual Efficiency Scales, ten Profiles of Visual Skills and Behavior, and ten Records of Performance of Visual Efficiency Scales.

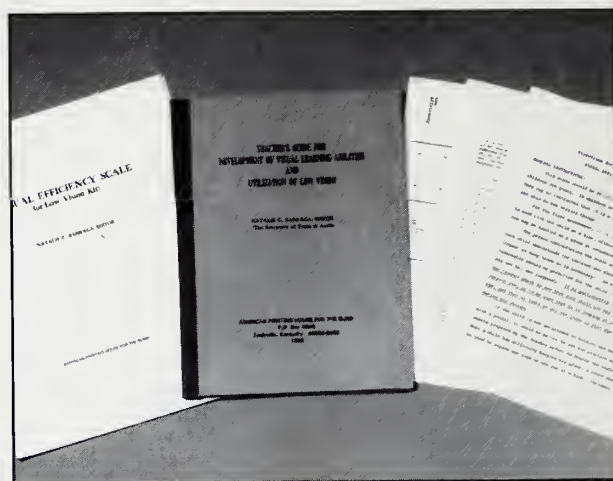
Materials on Utilization of Low Vision (ULV)

Teacher's Kit: 8-50600-00....\$24.95

Materials on Utilization of Low Vision (ULV)

Visual Efficiency Scale Kit:

8-50590-00.....\$18.59



Program to Develop Efficiency in Visual Functioning

Helps train students to use their vision more efficiently. Two interrelated kits, packaged separately in rugged plastic carrying cases, make up this program:

The **Diagnostic Assessment Procedure Kit** identifies specific training needs, while the **Design for Instruction Kit** contains lessons for vision training. Recommended ages: 3 years and older.

1-08530-00.....\$492.65

Quantity discount available! See page 68.

Items available separately:

Volume I, Diagnostic Assessment Procedure only: 8-16040-00.....\$9.75

Volume II, Design for Instruction only: 8-16070-00.....\$3.30

Low Vision Observation Checklists & Diagnostic Assessment Procedure Record Booklets (10 of each): 8-16050-00.....\$19.95

Source Book on Low Vision only: 8-16060-00.....\$16.80

Bright Sights: Learning to See

Special program designed to stimulate residual vision and develop visual efficiency in young children. Consists of a set of materials divided into two levels: Sensory and Perceptual (available as a complete kit or separately).

The Sensory Level is a set of fluorescent materials designed to stimulate a child's initial visual interest and to help him or her develop visual identification skills. The Perceptual Level goes on to help the child develop visual perception and discrimination.

Bright Sights comes with 23 fluorescent items and sets of items including:

- ✓ A unique multicolored quilt
- ✓ High-contrast form boards
- ✓ A pegboard with multicolored pegs
- ✓ Brightly-colored blocks, balls, toys, etc.

The Sensory Level of Bright Sights is designed to stimulate a child's initial visual interest.

Also included is a Flicker Light (available separately). Teacher's guidebook comes in regular print. Packed in two durable plastic trunks. Recommended ages: birth to 3 years.

1-08130-00.....\$494.50

Items available separately:

Sensory Level only:

1-08140-00.....\$210.00

Perceptual Level only:

1-08150-00.....\$284.50

Teacher's guidebook only:

7-17710-00.....\$11.05

Flicker Light only:

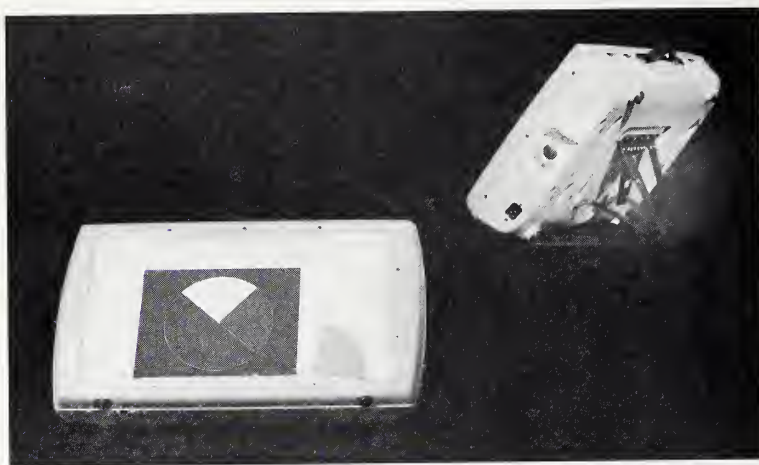
1-08160-00.....\$52.45



**Bright Sights
Perceptual Level helps
a child to develop
visual perception and
discrimination.**

Light Boxes

Help students achieve efficiency in visual functioning with the Light Box and Mini-Lite Box! When they are used with unique sets of materials designed by APH, these light boxes stimulate awareness of light, color, and objects and assist in the instruction of tracking, scanning, eye-hand coordination, visual discrimination, and visual perceptual skills.



Light Box

Includes a lighted translucent white Plexiglas® work surface, providing an even, high contrast background for opaque materials and a source of illumination for colored transparent items. A dimming control permits adjustment of the level of illumination to meet the needs of individual students and to assist them in transferring skills to a normally lit environment.

The Light Box can be used as a light table or tilted at any one of three angles. Nonslip rubber feet are provided for upright placement. Built-in plastic retainer clips hold overlays in position. Cool, efficient, fluorescent light source provides long life and is housed in a tough plastic body measuring 25 x 15 x 5 inches. Includes cover. Recommended for all ages.

1-08660-00.....\$291.15



Mini-Lite Box

This cousin to APH's Light Box has a number of special features to help train low vision students to use their residual vision. The Mini-Lite Box is:

- Smaller and lighter than the original Light Box
- Can be used at a student's desk or lap
- Can operate on rechargeable batteries

It provides many of the features offered by the original Light Box, including a dimming control, a reclining prop for different positioning angles, and a child-safe case.

The Mini-Lite Box offers battery power! Operates for 3-4 hours on a single charge. It operates on included rechargeable batteries or can be plugged into a wall outlet. Includes a low battery audio signal.

Its illuminated work surface measures 9 1/2 x 12 1/2 inches. Ledges along the upper and lower edges of the work surface hold overlays in place. Includes an 11 position push-and-click combination handle and stand.

✕ Box measures 16 x 12 3/4 x 2 1/2 inches

✕ Weight: 6.0 lbs.

1-08661-00.....\$TBA



Mini-Lite Box Transparent Overlays (not pictured) includes one clear overlay, four colored transparent overlays, and a sheet of clear, flexible, plastic.

1-08662-00.....\$9.45

Light Box Materials: Level I

First of three sets of teaching materials designed for use with APH's Light Box (most items can also be used on the Mini-Lite Box). These materials help to teach basic visual skills, eye-hand coordination, and simple matching skills. Kit includes:

- ✓ Bright colored, solid, and patterned overlays designed to stimulate awareness of light, patterns, and objects
- ✓ A spinner with two different patterns that encourages localization and invites reaching
- ✓ A variety of transparent colored materials and opaque items that allow for practice in eye-hand coordination and matching
- ✓ Suction-cup handles that provide for easier manipulation of small pieces
- ✓ An instructional guidebook with over 90 activities for low vision development
- ✓ A materials carrying bag

Recommended ages: birth to 4 years.

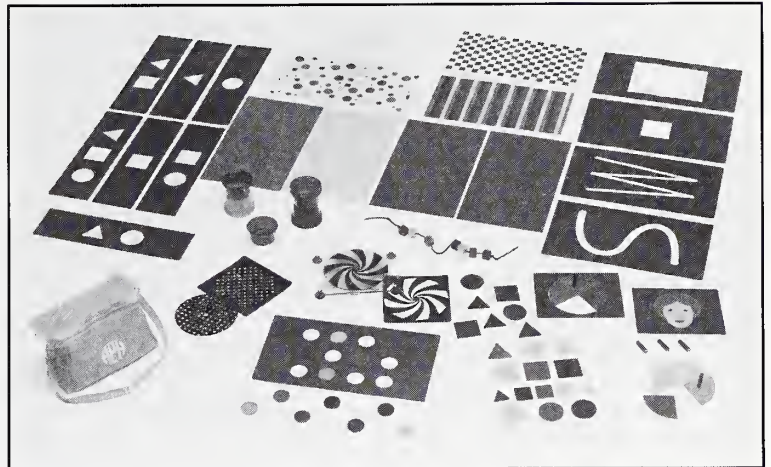
1-08670-00.....\$374.35

Quantity discount available! See page 68.

Activity Guide for Level I only:

Print Edition: 7-70010-00....\$14.74

Cassette Edition: C-70010-00.....\$14.74



Light Box Materials: Level II

Helps in teaching matching and identification skills, part-whole relationships, sequencing, pattern duplication, spatial relationships, and visual memory skills. It uses concrete objects, pictured objects, stencils, and cutouts (most items can also be used on the Mini-Lite Box). Set contains:

- ✓ Instructional guidebook with over 100 activities
- ✓ Over 400 easily-manipulated items, including brightly-colored transparent shapes
- ✓ Set of worksheets
- ✓ One blackout background sheet and one clear vinyl nonslip work surface sheet
- ✓ Materials carrying bag

Recommended ages: 3 to 5 years.

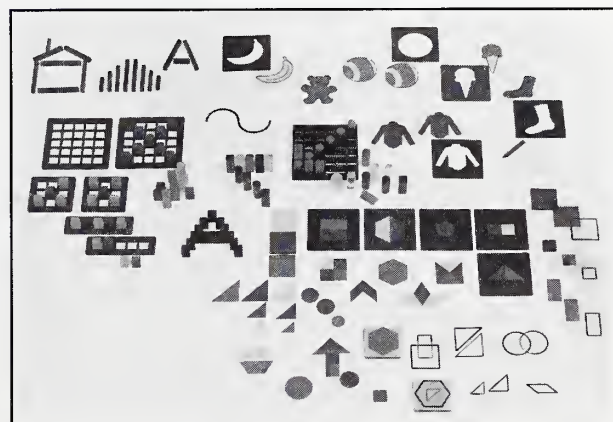
1-08680-00.....\$525.15

Quantity discount available! See page 68.

Activity Guide for Level II only:

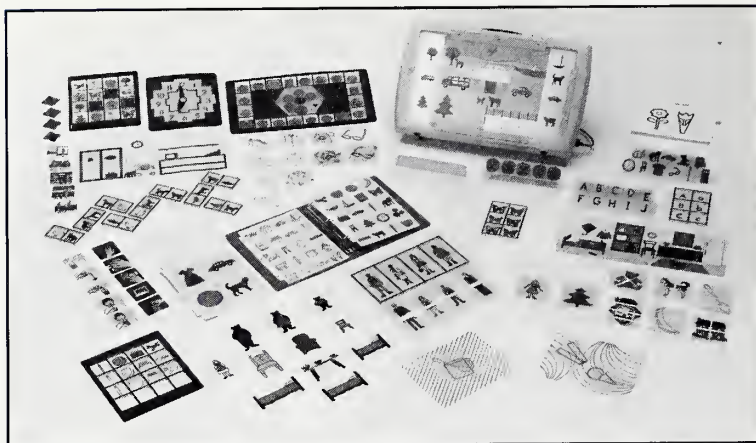
Print Edition: 7-70020-00.....\$19.95

Cassette Edition: C-70020-00.....\$19.95



Light Box Materials: Level III

Created to help visually impaired students develop the following skills: prewriting and handwriting, matching and sorting, recognition and identification, spatial relationships, visual memory, sequencing, figure-ground discrimination, visual closure, and part-whole relationships (most items can be used with the Mini-Lite Box).



Level III materials include:

- ✓ Over 400 items, including dozens of picture and letter cards
- ✓ Five types of game trays
- ✓ One blackout background sheet and one clear vinyl nonslip work surface sheet
- ✓ Instructional guidebook with over 100 activities
- ✓ Materials carrying bag

Recommended ages: 4 to 6 years.

1-08690-00.....\$590.00

Quantity discount available! See page 68.

Activity Guide for Level III only:

Print Edition: 7-70030-00.....\$22.95

Cassette Edition: C-70030-00.....\$14.00

Light Box sold separately.



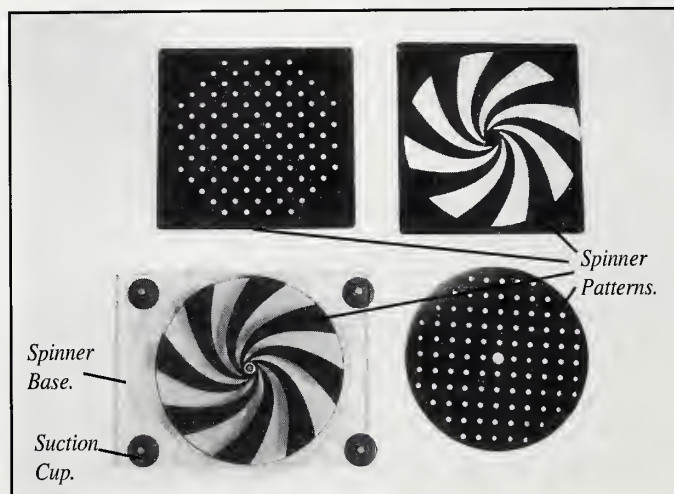
Light Box Materials from Levels I and II for Separate Purchase

The following items have been selected from Light Box Materials Levels I and II and can be used with the Mini-Lite Box and Light Box. In addition, we are offering Transparent Overlays that are for use with the Mini-Lite Box only (see page 42). Sheets of activities grouped by skill accompany each item.

Plexiglas® Spinner and Spinner Patterns

Spinner, made of clear Plexiglas, is used with overlays to create highly contrasting, moving patterns to stimulate visual awareness and encourage attention and visually directed reaching. The spinner face measures 8 1/4 inches in diameter; suction cup feet hold the spinner base in place.

1-08664-00.....\$42.05

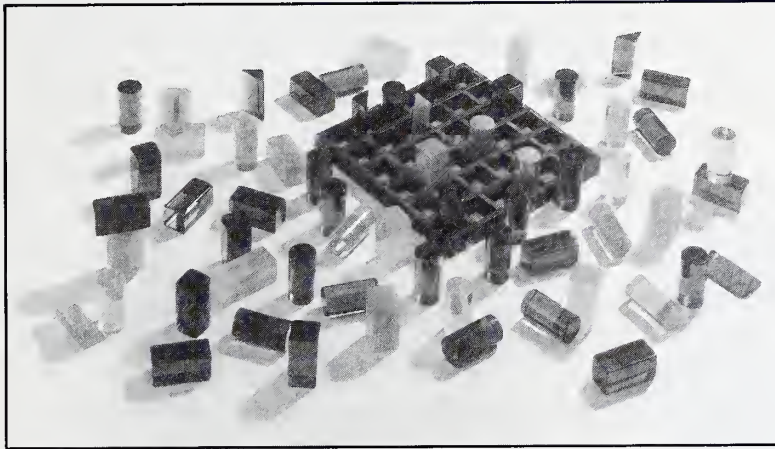
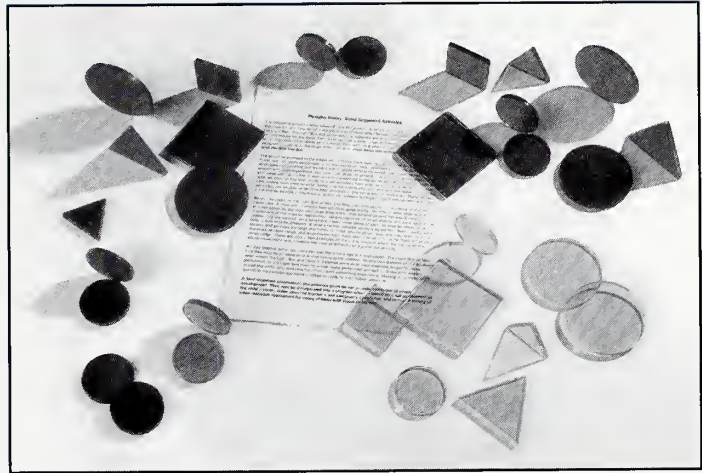


continued on next page

Plexiglas® Blocks

Colored transparent geometric shapes in two sizes may be used to create visual displays for attracting visual attention; encouraging visually directed reaching; matching by shape, size and color; and introducing spatial relationships between objects. Thirty pieces are provided in six colors and three shapes: circle, triangle, and square.

1-08663-00.....\$27.95



Pegs and Pegboard

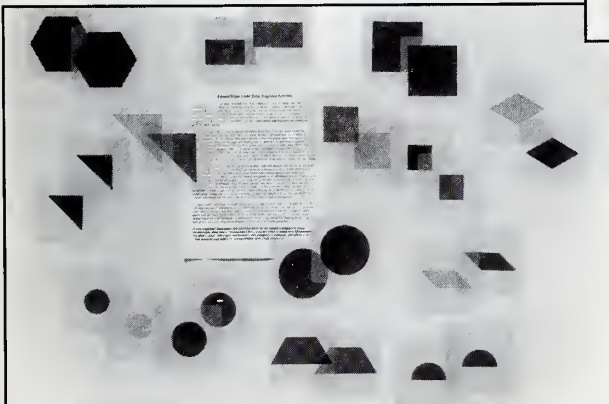
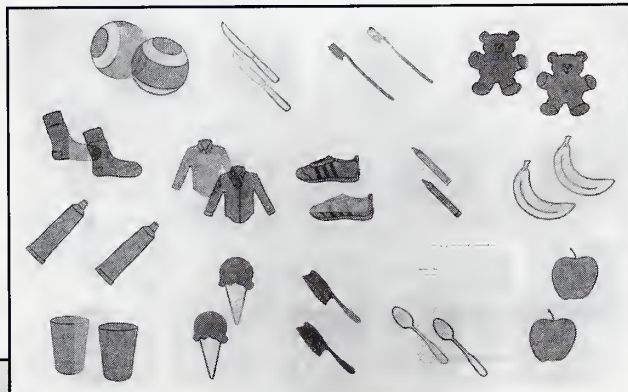
Colored transparent pegs are provided in three shapes and five colors (total of 64) for use in or out of the pegboard, a 6 x 6 grid which accommodates 36 pegs. Pegs and pegboard are designed to foster eye-hand coordination and awareness of spatial relationships, and serve as objects for matching and arrangement in sequences or patterns.

1-08665-00.....\$71.30

Familiar Object Pictures

Colored transparent pictures of 15 common household objects are provided in pairs (total of 30 pictures) for matching and identification. Pictures are silk-screened on clear plastic stock. Cards measure 6 x 6 inches.

1-08666-00...\$35.00



Colored Shape Cards

Colored transparent pictures of geometric shapes may be used for identification and matching by shape, color, and size. Thirty cards are provided: two each of nine shapes, some in three sizes. Shapes are silk-screened on clear plastic stock. Cards measure 4 x 4 inches. 1-08667-00.....\$17.50

Seated Parquetry Set

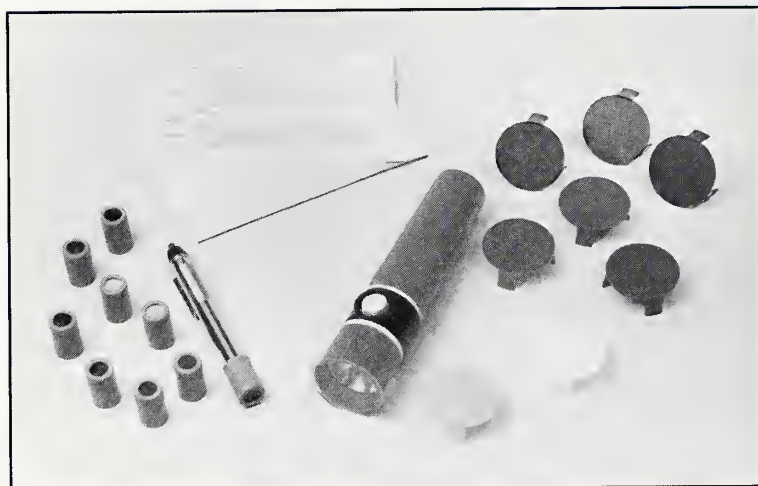
Stimulates residual vision and helps to develop visual efficiency. Students master visual discrimination, eye-hand coordination, part/whole concepts, matching skills, and visual memory skills. Uses recessed form boards that enable the work surface to be raised to the eye while holding the parquetry pieces in place. Includes:

- ✓ Ten color-coded form boards measuring 8 x 8 inches for basic matching tasks
- ✓ Ten unmarked form boards measuring 8 x 8 inches for advanced concept development
- ✓ Ten color-coded stimulus cards measuring 8 x 8 inches



This set contains over 100 nontoxic, nonbreakable, washable parquetry pieces in six colors and shapes. Recommended ages: 3 years and older.

1-03650-00.....\$49.05



Penlight with Color Caps and Flashlight with Color Discs

Designed to help students develop visual awareness and visual tracking skills, this kit can be used in a wide range of instruction. Includes:

- ✓ One penlight and one flashlight
- ✓ Five translucent and four transparent color lenses for each light source
- ✓ Activity cards that give instructions on teaching students who are functioning from a nonresponsive level up to those who are functioning at primary grade levels

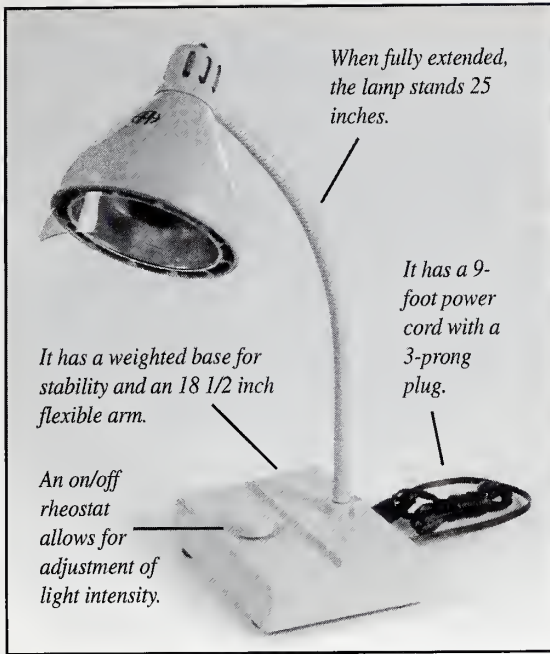
Recommended ages: all ages.

1-08390-00.....\$35.50

Batteries are not included with the Penlight with Color Caps and Flashlight with Color Discs.

Other low vision products in this catalog:

- Sensory Stimulation Kit—Visual Kit—see Early Childhood
- Parent Early Childhood Education Series—see Early Childhood



Variable Intensity Study Lamp

Low vision students and adults can get the exact lighting they need to illuminate their work with this special lamp. It is recommended that a 60-watt bulb be used (not included). Recommended ages: all ages.

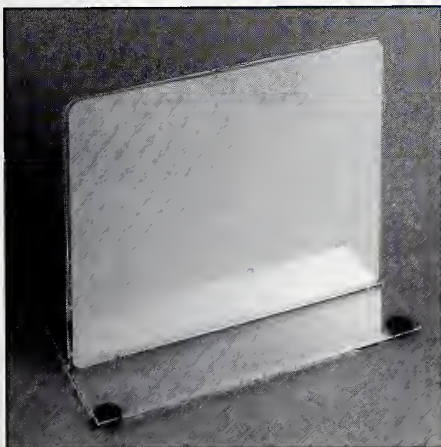
1-08940-00.....\$128.00

Quantity discount available! See page 68.

UltraVisor (Child Size)

Visor is designed to screen out ultraviolet (UV) light that is sometimes generated by black light sources used in low vision training. Screens UV light in wavelengths from 320-400 nanometers without affecting the "glowing" appearance of training materials. Headband will adjust to fit infants, preschoolers, and elementary age students (minimum circumference: 13 inches, maximum circumference: 21 inches). Shield is made of an unbreakable plastic treated with a clear UV-blocking dye. Recommended ages: all ages.

1-08171-00.....\$12.45



Individual Study Screen (ISS)

Screen allows low vision students to view films, slides, and film strips close up. A rear-projection technique is used to enable the student to get as close to the screen as necessary for viewing. Constructed of tough plastic, the ISS measures 13 x 10 1/2 inches, with a 6 inch wide base. Image is projected on a frosted plastic insert. Recommended ages: 6 years and older.

1-03300-00.....\$28.05

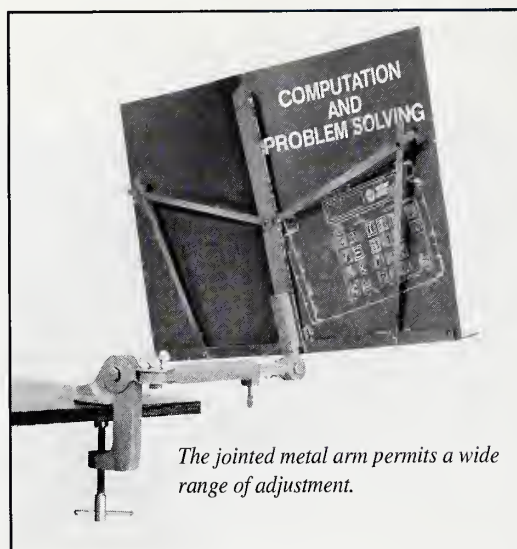
Desk Top Reading Stand

Portable desk top stand will hold books, magazines, and other reading material at a proper position for low vision readers. Handsome finished wooden stand has:

- Left and right hand capability
- Adjustable page clamps
- Built-in carrying handle

Top surface measures 18 x 23 3/4 inches. Recommended ages: 5 years and older.

1-03220-00.....\$86.00



Gore Reading Stand

Fastens to most table top surfaces by means of a clamp. Easily disassembled for compact storage and carrying. Book rack portion of stand measures 16 1/4 x 10 1/2 inches. Recommended ages: 6 years and older.

1-03210-00.....\$96.40

Shafer Reading Stand

Adjustable, self-supporting stand holds books, magazines, and other large type publications. The base of this stand is a sturdy tripod with 13-inch legs. A shaft, measuring 42 inches, comes up out of the tripod base. A 4-joint, adjustable swivel arm is attached to the shaft. The book rack portion of the stand is connected to the swivel arm and measures 16 x 11 1/2 inches.

Swivel arm with the book rack can be locked at any desired height along the vertical shaft by means of a large wing nut. Book rack can also be rotated or tilted in many different positions. All-metal construction,

except for rubber feet that help to prevent the marring of floors. Recommended ages: 6 years and older.

**1-03230-00
\$245.75**



Special Values!

On Sale! NOMAD

NOMAD Talking Touch Pad

NOMAD makes tactile pictures talk! Some of the many uses of NOMAD include:

- A simple solution to help teach about tactile graphics of all sorts, including graphs, diagrams, and maps
- A powerful orientation and mobility training tool (see the O & M graphics at the end of this listing)
- A talking directory for buildings and campuses

NOMAD is a touch-sensitive pad on which raised-line graphics are placed. NOMAD is connected to a personal computer (supplied by the user) and files describing the graphics are loaded. You can then touch various points on the graphic and NOMAD will describe them with synthetic speech.

Use Ready-Made Graphics or Create Your Own

- **Ready-Made Graphics from APH:** See the end of this product listing for available graphics packages.
- **Make Your Own!** You can make tactile graphics using a number of common methods and then program NOMAD yourself—it's easy!

Description

Calling up existing NOMAD files is an easy, menu-driven process. The NOMAD work surface is a high resolution touch-sensitive pad. There are 9,600 individual points on this surface that can be programmed with speech. NOMAD connects to any IBM® compatible or Macintosh® computer (a special kit is required for Macs). Install NOMAD software onto the computer's hard drive and it's ready to go!

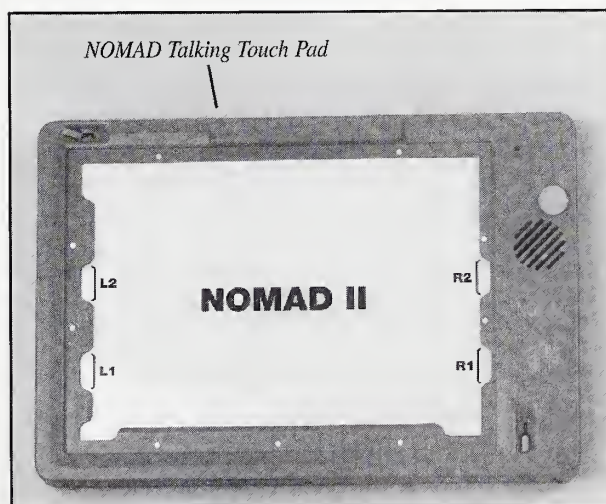


Included with NOMAD are a serial cable; program on both 3 1/2 and 5 1/4 inch *MS-DOS*® disks; sample graphics with spoken information; a user's manual in print, braille, and cassette; and a new 25 minute instructional videotape.

TouchBlaster™ Software Version 6.0 is now included with all new NOMAD pads. It features digitized sound, a simplified menu option, a stand-alone mode with built-in braille alphabet and preset buttons, and much more!

1-08520-00.....\$750.00

continued on next page



**Complete NOMAD for the PC.
Ask about our Mac kit.**

On Sale! NOMAD

Items available separately

NOMAD Travel Case: Includes special pockets for storing graphics, disks, connecting cables, power supply, etc.

1-08521-00.....\$50.95

NOMAD Package for Macintosh: Includes a Mac disk with the NOMAD software, plus a cable, and instructions in print and braille.

1-08522-00.....\$29.95



NOMAD Training Workshop Video (VHS):

1-30000-00.....\$9.95

NOMAD AC/DC 9V Power Supply

(replacement item): 1-08525-00.....\$6.05

TouchBlaster Software Version 6.0 Upgrade
(for earlier NOMAD models):

1-08524-00.....\$39.95

NOMAD Manual, Print Edition (replacement):

7-90220-00.....\$2.95

NOMAD Manual, Braille Edition (replacement): 5-90220-00.....\$TBA

NOMAD Manual, Cassette Edition (replacement): C-90220-00.....\$TBA

NOMAD Graphics Packages

In each ready-made package you will receive raised-line graphics, preprogrammed computer files (supplied on both IBM and Macintosh disks—a special kit is required for Macintosh use), and a Teacher's Guide to the graphics in print and braille. All graphics packages are recommended for ages 5 and up.

U.S. Geography: In addition to state maps, each regional series includes four maps: North America, United States, Regions of the U.S., and the particular region.

Item	Description	Catalog no.	Price
Northeastern	CT, DC, DE, NH, MA, MD, ME, NJ, NY, PA, RI, VT	1-20008-00 ...	\$100.00
Southeastern	AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	1-20009-00 ...	\$100.00
Midwestern	IA, IL, IN, KS, MI, MN, MO, NE, ND, OH, SD, WI	1-20010-00 ...	\$100.00
Southwestern	AZ, NM, OK, TX, North TX, South TX	1-20011-00 ...	\$100.00
Mountain	CO, ID, MT, NV, UT, WY	1-20012-00 ...	\$100.00
Pacific Rim	AK, CA, North CA, South CA, HI, OR, WA	1-20013-00 ...	\$100.00



Orientation and Mobility: O & M Tactile Graphics—NOMAD: This set of 10 graphics helps teach such concepts as compass directions, clock locations, and navigating both inside and outside.

O & M..... 1-20101-00\$39.00



Education/Entertainment: Star Trek® (Classic): Fifteen graphics based on the original science fiction TV series. You can have fun and also get familiar with the NOMAD!

Star Trek (Classic) 1-20015-00 ...\$100.00

Echo II Speech Synthesizers

These two easy-to-use speech synthesis systems are designed for the Apple® II family of computers. Both systems are ready to use, coming with all necessary speech synthesis hardware and text-to-speech software. After a one-time installation, you'll be hearing your Apple II talk! Recommended ages: 4 years to adult.

The Echo II hardware for both systems includes:

- An interface card which plugs into one of the card slots inside the computer
- An external speaker box with a knob control for volume, a 1/8 inch jack for headphones, and a cable for connection to the interface card—gives you control over the synthetic speech output
- Installation instructions in regular type and braille

Please note that these synthesizers are not intended for use with the Apple //c and //c+ computers. Textalker and Textalker-GS software may be ordered separately (see software later in this section).

Echo II with *Textalker*:

Textalker software operates in the background, allowing many public domain and noncopy-protected programs to talk. Pitch, volume, rate of speech, amount of punctuation spoken, and other characteristics of the speech can be controlled from the keyboard.

Textalker software features:

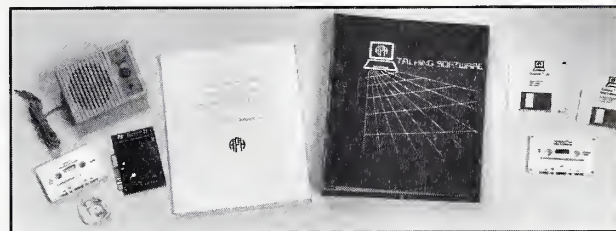
- A screen Review mode that supports columns and may be entered at any time
- A unique text file reading program

Textalker comes on a 5 1/4 inch disk with a *ProDOS*® and a *DOS 3.3* version. A 3 1/2 inch disk containing the *ProDOS* version only may also be included. Documentation is provided in large type, on cassette, and on the program disk(s). A braille command reference guide is also included.

Echo II with *Textalker* can be used on an Apple II+, //e, or IIGS® computer with at least 64K of RAM for the *DOS 3.3* version, 128K for the *ProDOS* version.

1-07212-00.....\$145.55

Quantity discount available! Please see page 68.



Echo II with *Textalker-GS*:

- Allows most programs that are text-based to speak—this includes many commercial programs, such as *AppleWorks*®
- Quick Review—a means by which you can review the screen without actually going into Review mode
- *Textalker-GS* comes on two 3 1/2 inch disks, one containing the program, the other the documentation
- Documentation is also provided in large type and on cassette tape

Echo II with *Textalker-GS* is designed for use with the Apple IIGS computers with at least 512K of RAM and a 3 1/2 inch disk drive.

1-07213-00.....\$155.95

Quantity discount available! Please see page 68.

On Sale! Apple II Products

Computer Software for the Apple II family is useful for many tasks, both in the classroom and daily living.

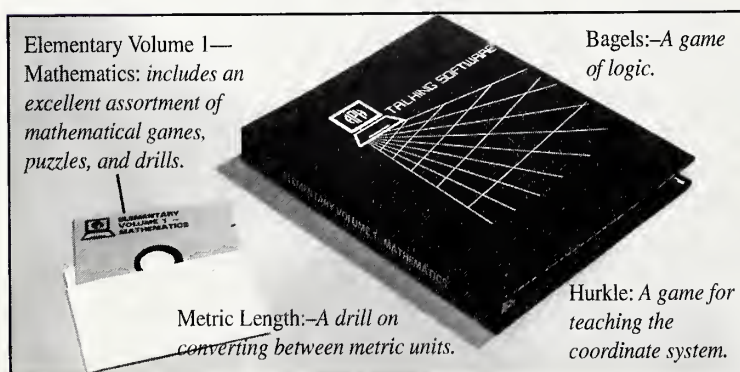
We offer synthetic speech programs, educational games, a scientific calculator, talking utilities, and more!

Note: *Because our quality software is designed for complete speech accessibility, a speech synthesizer is required for the programs to speak.*

For the Apple //c or //c+, a Echo Speech Corporation Echo® Cricket™ or Echo IIC is required. For all other members of the Apple II family, an Echo II, Echo+, Echo IIb, Echo II, or APH's Echo Commander (discontinued) is required. For the Macintosh® LC with an Apple II emulation card, an Echo LC is required. Some APH programs also support the Slotbuster® and DoubleTalk® speech synthesizers from RC Systems, Inc.

APH/MECC Software

APH offers three speech-adapted programs from the Minnesota Educational Computing Corporation (MECC) educational software series.



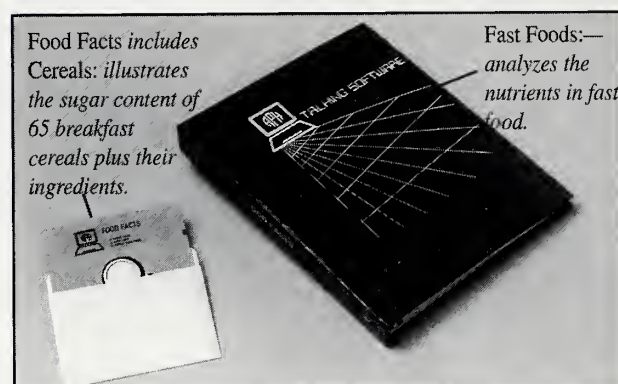
Elementary Volume 1—Mathematics:

The 11 programs included with this software help cover such concepts as addition, subtraction, multiplication, division, rounding, metric conversion, factoring, and spatial orientation.

All 11 programs are contained on a single 5 1/4 inch disk. Each program is documented on the disk, with more detailed information provided in regular type. Recommended ages: 8 to 15 years.

Requirements to Run: Any of the Apple II family of computers with at least 64K of RAM.

D-19950-00.....\$18.60



Food Facts:

This interactive program helps teach the nutritional properties of many foods. Topics include vitamins, recommended daily allowances of nutrients, sugar content of foods, and much more.

Includes a 5 1/4 inch disk, the original MECC manual in regular type, and an APH supplement in large type and braille. Recommended ages: 10 years through adult. The easier parts of *Food Facts* may be suitable for younger children.

Requirements to Run: Any of the Apple II family of computers with at least 64K of RAM.

D-28000-00.....\$39.70

On Sale! Apple II Products

Prefixes:

This is a program that assists in teaching about five of the most common prefixes—*un*, *re*, *dis*, *pre*, and *in*. The program was extensively revised for speech accessibility. Some of the activities used for student practice are:

- Fill-in-the-blank
- Mark the prefix with the arrow keys
- Complete the hidden word puzzle, a new type of activity for totally blind users which older students will find challenging and enjoyable

After doing the practice activities the student completes a worksheet to be scored.

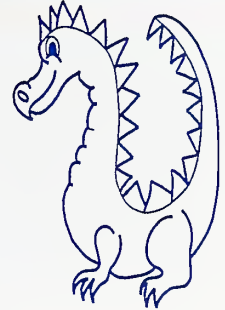
Prefixes includes both a 3 1/2 inch disk with many interesting graphics for low vision students and a 5 1/4

inch disk. The original MECC manual is provided in regular type, and two manuals developed by APH are provided in large type, on cassette, and on disk. All is stored in a three-ring binder. Recommended ages: 8 to 12 years.

Requirements to Run: An Apple II computer with at least 128K of RAM.

D-66710-00.....\$34.95

Raised-line graphics that feature the medieval and space themes presented in the software are also included with Prefixes.



APH Presents the Talking Apple Computer

This program provides students with their first exposure to the Apple II family of computers equipped with appropriate speech synthesizers. Contains:

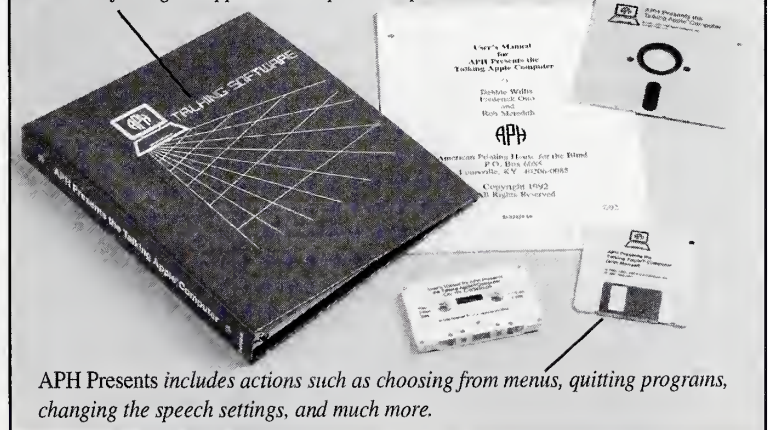
- ✓ A 3 1/2 inch and a 5 1/4 inch bootable disk that each contain the *APH Presents the Talking Apple Computer* software program and the user's manual for the program
- ✓ Cassette tape and large type versions of the user's manual

This program helps introduce the Apple II keyboard and some of the sights and sounds of using an Apple II with speech output, including actions such as choosing from menus, quitting programs, changing the speech settings, and more. Recommended ages: 8 years to adult.

Requirements to Run: An Apple II computer with at least 128K of RAM. An Echo®, Slotbuster®, or DoubleTalk® speech synthesizer is required for speech output.

D-03450-00.....\$10.00

This program helps introduce the Apple II keyboard and some of the sights and sounds of using an Apple II with speech output.



APH Presents includes actions such as choosing from menus, quitting programs, changing the speech settings, and much more.

On Sale! Apple II Products

APH/SEI Talking Software

These 33 different APH/SEI titles assist in covering a wide range of subjects. Multiple-choice and yes/no questions are presented both on the screen and by synthetic voice. The student may obtain scoring information, review questions and answers, and alter the speech output.

Each APH/SEI program comes on a single 5 1/4 inch disk. Braille and large type copies of the *APH/SEI User's Manual* are included with each title. Recommended ages: 15 years to adult.

Requirements to Run: Any of the Apple® II family of computers with at least 64K of RAM.

Note: All APH/SEI titles are AVAILABLE ONLY WHILE SUPPLIES LAST.



History of Space Flight is one of 33 APH/SEI software programs.

APH/SEI titles are:

Afro-American Literature: D-01380-00.....\$38.40

American History 1: D-02500-00.....\$38.40

American History 2: D-02510-00.....\$38.40

American History 3: D-02520-00.....\$38.40

American History 4: D-02530-00.....\$38.40

American Poetry: D-02800-00.....\$38.40

Ancient Civilizations: D-03050-00.....\$38.40

Asian/African History: D-04350-00.....\$38.40

Dickens: D-18200-00.....\$38.40

Early American Literature: D-19610-00.....\$38.40

Edgar Allan Poe: D-69800-00.....\$38.40

European History 1: D-24700-00.....\$38.40

European History 2: D-24710-00.....\$38.40

Fantasy: D-27000-00.....\$38.40

High School Literature 1: D-35500-00.....\$38.40

High School Literature 2: D-35510-00.....\$38.40

High School Literature 3: D-35520-00.....\$38.40

History of Space Flight: D-36250-00.....\$38.40

Mark Twain: D-92000-00.....\$38.40

Modern British Literature: D-55300-00.....\$38.40

Mystery: D-55900-00.....\$38.40

Mythology: D-56000-00.....\$38.40

Science Fiction: D-77000-00.....\$38.40

Sentence Completion: D-79000-00.....\$38.40

Shakespeare 1: D-80000-00.....\$38.40

Shakespeare 2: D-80010-00.....\$38.40

Short Story: D-80250-00.....\$38.40

Steinbeck/Faulkner/Hemingway: D-86250-00.....\$38.40

United Nations and Foreign Governments:
D-28400-00.....\$38.40

U.S. Government: D-93100-00.....\$38.40

Vocabulary Builder: D-94780-00.....\$38.40

Women Authors: D-96500-00.....\$38.40

Word Analogy: D-96800-00.....\$38.40

APH/SEI Software User's Manual only:

Braille Edition: 5-06840-00.....\$5.20

Print Edition: 7-06840-00.....\$4.56

On Sale! Apple II Products

APH Scientific Calculator

This is a powerful scientific calculating program. For quick numerical calculations, and for handling many types of numerical algorithms, it is unmatched. The main features are:

- A complex number mode, as well as the usual real mode
- Numerical integrations, including complex line integrals
- A built-in editor for writing programs
- A number of included programs to perform many scientific calculations

Contained on a 5 1/4 inch disk, with instructions on disk, cassette, and large type, and a summary of

functions and commands in braille.

Recommended ages: 15 years to adult.



Requirements to Run: An Apple II computer with at least 128K of RAM. For complete speech accessibility, it requires an Echo® or Slotbuster® synthesizer.

D-03500-00.....\$36.00

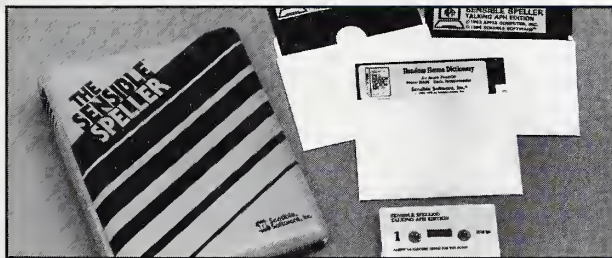
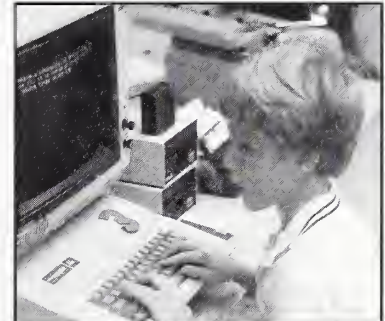
LetterTALK⁺

This software program helps introduce the Apple® II keyboard, word processing, audio computer games, and speech output.

Documentation is provided on the disk as well as in large type and recorded formats. In addition to documentation, a brailled model of the Apple IIe keyboard and a brailled keyboard overlay for the Apple IIGS® are also included. Recommended ages: 6 to 15.

Requirements to Run: An Apple II with at least 128K of memory and an appropriate speech synthesizer (an Echo® or Cricket™ from Echo Speech Corp., an Echo from APH, or a DoubleTalk® or Slotbuster® from RC Systems, Inc.)

D-54000-00.....\$30.50



Sensible Speller: Talking APH Edition

Sensible Speller™ checks word processor documents against a disk-based *Random House Dictionary*® that contains more than 80,000 words. This utility program comes on three 5 1/4 inch disks. Documentation is

provided in regular type and on a 15/16 ips, 4-track audio cassette. Recommended ages: 10 years to adult.

Requirements to Run: *Sensible Speller* works with word processing programs that store their documents using Apple's® *ProDOS*® operating system. It will run on any member of the Apple II family with at least 128K of RAM.

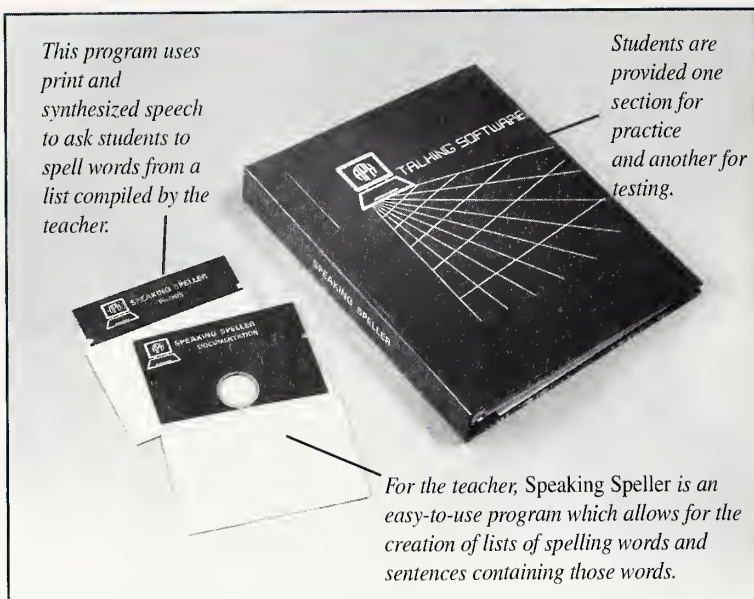
D-78000-00.....\$65.00

AVAILABLE ONLY WHILE SUPPLIES LAST.

Instructional Cassette only:

D-78001-00.....\$1.95

On Sale! Apple II Products



Speaking Speller

Speaking Speller will help students improve their spelling skills. Comes on a 5 1/4 inch disk with *ProDOS*® and *DOS 3.3* versions of the program. Documentation is provided on disk, in large type, and in braille. Recommended ages: 8 years to adult. Parts may be suitable for younger children.

Requirements to Run: Any Apple® II with 128K RAM for *ProDOS*; or 64K RAM for *DOS 3.3*.

D-85990-00.....\$28.95

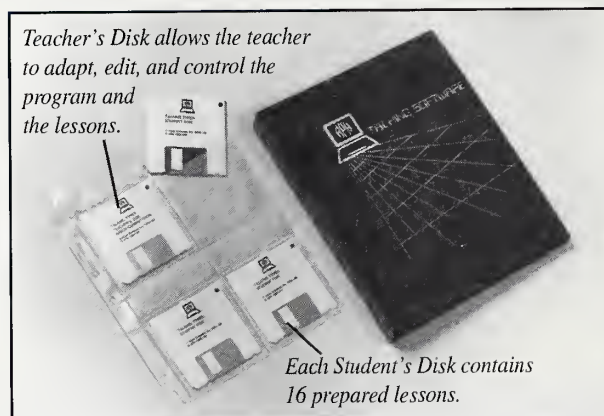
Talking Typer

This program helps reinforce students' keyboarding skills in an interesting and motivating way. Customize lessons for use with any typing curriculum!

Options include:

- Speed and accuracy drills that log student progress
- "Hurry Scurry" game (racing the clock to type words/phrases)
- Open Typing (a blank screen for typing from dictation or copy)

The *Teacher's Edition* includes one Teacher's Disk and three Student's Disks, with documentation on disk, cassette tape, and large type. Recommended ages: 10 to adult (parts may be suitable for younger children). Requires any Apple® II computer with at least 128K of RAM.



Talking Typer, Teacher's Edition.

Teacher's Edition:

5 1/4 inch disks: D-89900-00.....\$25.00

3 1/2 inch disks: D-89910-00.....\$41.95

Student's Edition (three Student's Disks only):

5 1/4 inch disks: D-89920-00.....\$16.00

3 1/2 inch disks: D-89930-00.....\$16.00

Talking Utilities

On Sale! Apple II Products

Talking Utilities for DOS 3.3

A talking version of the Apple® DOS 3.3 System Master that ties together programs with an easy-to-use menu. It provides utilities for copying and deleting, cataloging, locking files, and more, and enables you to initialize disks in DOS 3.3 format.

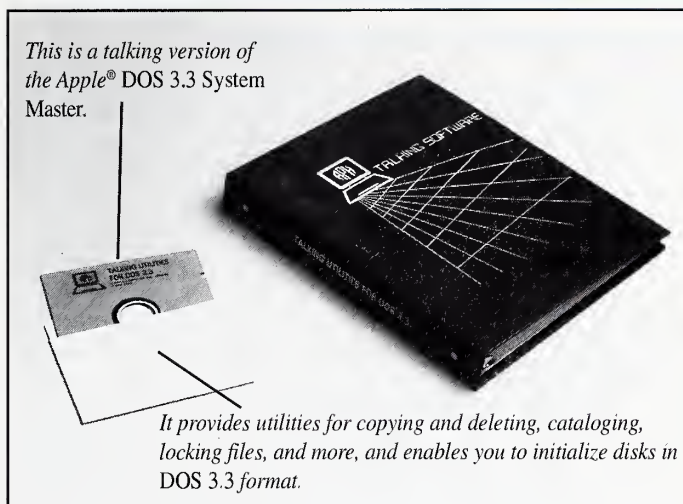
APH has included two special programs: one allows any text file on a DOS 3.3 disk to be spoken by speech synthesizer; the other can automatically install *Textalker™* text-to-speech software onto program disks or blank disks, and more. Comes on a 5 1/4 inch disk, with documentation in large type and braille. Recommended ages: 8 years through adult. Requires an Apple II computer with at least 64K of RAM.

D-89511-00.....\$10.00

Talking Utilities for ProDOS

This 5 1/4 inch disk contains programs which make it easier to manipulate the information contained in disk files. APH has rewritten these programs to include *Textalker™* text-to-speech software and has reworked them to operate efficiently with voice output. This package offers:

- Convert between DOS 3.3 and ProDOS® and examine files from a menu using arrow keys



- Prepare disks to receive information, copy disks or files, delete files, and more.
- Read ASCII text files with synthesized speech

Documentation is provided on a cassette titled *Apple II ProDOS User's Manual*. An addendum in regular type and braille gives a brief overview of the utilities. Recommended ages: 8 years through adult. Requires an Apple® II computer with at least 128K of RAM.

D-89510-00.....\$12.00

Apple II ProDOS User's Manual only (cassette version): C-60040-00.....\$13.87

Teacher's Pet

Allows teachers or parents to create and administer drill and practice exercises, as well as tests and quizzes. Questions and answers are displayed on the screen and spoken by synthetic voice. Can be used to create:

- Multiple-choice tests
- Fill-in-the-blank tests

- Single question/single answer tests
- Simple matching tests

Comes on a 5 1/4 inch disk, with instructions on disk, in braille, and large type, all stored in a 3-ring binder. Recommended ages: 5 years and older. Requires an Apple® II with at least 128K RAM.

D-89530-00.....\$21.75



On Sale! Apple II Products

Text-to-Speech Software

APH offers two text-to-speech programs, *Textalker*™ and *Textalker-GS*. When used along with speech synthesis hardware (see page 51), these programs will make compatible application programs speak. Recommended for all ages.

Textalker

This program remains in the background, allowing many public domain and noncopy protected programs to talk. You can control the pitch, volume, rate of speech, and much more. *Textalker* also includes many extremely helpful screen review functions.

Includes:

- Screen Review of text in columns
- A filter to suppress the pronunciation of multiple repetitions of characters
- A unique text file reading program

You get a 5 1/4 inch disk with both *ProDOS*® and *DOS 3.3* versions of *Textalker*; and a 3 1/2 inch disk with only the *ProDOS* version. Also included: documentation on cassette, large type, and on disk, and a braille command reference guide. Requires an Apple® II computer with at least 64K of RAM for the *DOS 3.3* version, 128K of RAM for *ProDOS*.

D-89570-00.....\$21.75



***Textalker* gives a voice to the Apple II family of computers.**

Textalker-GS

This text-to-speech software is designed especially for Apple® IIGS® users. *Textalker-GS* gives you a great deal of control over the speech, including:

- Speech access to text-based programs, **including commercial programs** such as *AppleWorks*®, *AppleWriter*® 2.1, and *Quicken*®
- Quick Review—for reviewing the screen without actually going into Review mode
- Works with several operating systems—*ProDOS*®, *DOS 3.3*, *GS/OS*®, and *Pascal*®

Comes on 3 1/2 inch disks; documentation in large type, on disk, and on cassette. Requires an Apple IIGS computer with 512K RAM and a 3 1/2 inch disk drive.

D-89571-00.....\$34.50

Textalker and *Textalker-GS* Upgrades

If you purchased *Textalker* or *Textalker-GS* prior to September, 1993, you may wish to buy an upgrade.

- The *Textalker* Upgrade has 5 1/4 inch and 3 1/2 inch disks containing the program and manual
- The *Textalker-GS* Upgrade package includes the program and manual on 3 1/2 inch disks

***Textalker* Upgrade Disks: D-89572-00.....\$10.00**

***Textalker-GS* Upgrade Disks: D-89573-00....\$10.00**

Note: The upgrade packages contain only disks; no recorded or printed documentation is included.

Computer-Related Products

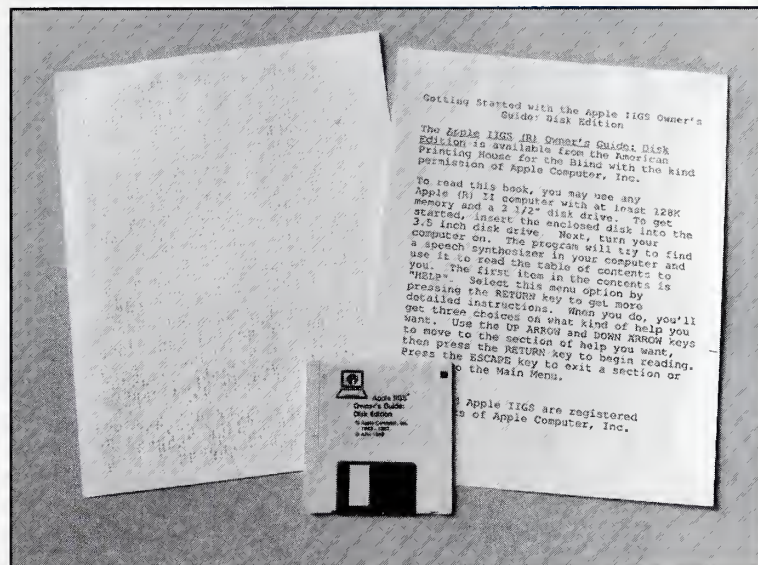
On Sale! Apple II Products

Apple II GS Owner's Guide: Disk Edition

This computer manual on disk can be accessed as synthetic speech, as hard copy in large type or braille, or as refreshable braille. You get a wide array of information about the IIGS® computer, including:

- Setting up the machine and booting up the system
- Formatting disks and using application programs
- Saving, printing, and editing files, etc.

For speech output, *Textalker™* text-to-speech software is included on the disk. Comes on a 3 1/2 inch disk with start-up sheets in large type and braille. Recommended for ages 12 to adult. Requires an Apple® IIe, IIc, IIc+, or IIGS computer



with at least 128K of RAM and a 3 1/2 inch disk drive. For the manual to speak, a speech synthesizer is required.

D-04000-00.....\$5.00

AppleWorks Manuals: Special Editions

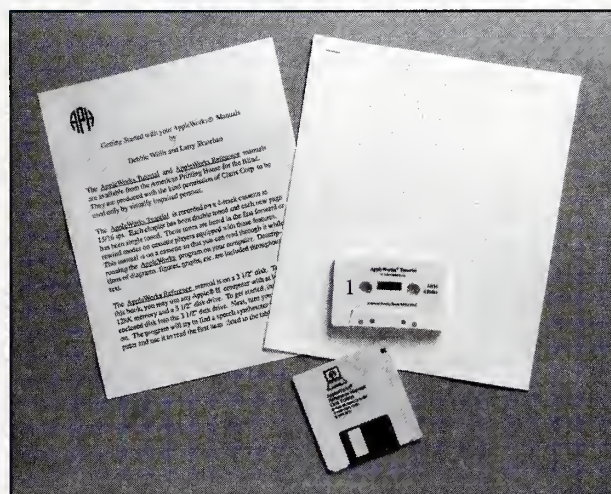
Kit contains detailed information on how to use *AppleWorks®*, the integrated software application for Apple® II computers. It includes:

- ✓ A cassette tape version of the *AppleWorks Tutorial*
- ✓ A 3 1/2 inch disk version of the *AppleWorks Reference Manual*
- ✓ Braille and large type instruction sheets

An Apple II computer with at least 128K of RAM and a 3 1/2 inch disk drive is required. An Echo®, Slotbuster®, or DoubleTalk® speech synthesizer is required for speech.

D-04100-00.....\$23.90

Note: AppleWorks Manuals: Special Editions *does not* contain the AppleWorks program.



On Sale! Apple II Products



Brailled Keyboard Model—Apple IIe

Full-scale replica of the original Apple® IIe keyboard is an excellent instructional tool for teaching key placement. Each key is identified in braille. Molded of lightweight, rigid plastic, measures 13 x 6 x 1 1/4 inches. Each package of five keyboard models comes with one guide in regular print. Recommended for ages 6 and older.

1-08781-00.....\$9.00

Does not fit over actual computer keyboard.

Brailled Keyboard Overlay for the Apple IIGs

Full-scale overlay for the Apple® IIGS® computer keyboard with each key identified in braille. Thin, flexible overlay form-fits directly over the keyboard and allows the computer to be used while it is in place.

Package of five includes one regular print and one braille guide. Recommended for ages 6 and older.

1-08782-00.....\$21.95

An excellent tool for learning key locations and teaching keyboarding skills



Wraps snugly around the sides of the keyboard (can be secured with adhesive tape)



Here is another special value!

Foreign Voltage Converter 240/120: Converts the 220 volts of most overseas electrical systems to 120 volts. 50 watt capacity.

1-07120-00.....\$4.95

Speaqualizer Speech Access System

This completely hardware-controlled speech access system is what you need if you are an IBM® PC or compatible user who:

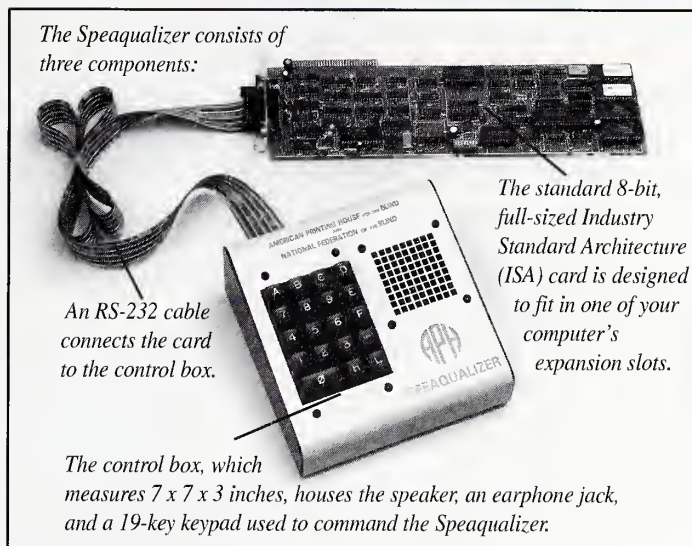
- Is technically oriented and needs to access ROM-based BIOS programs
- Requires specific terminal emulation software which is not accessible with traditional screen access programs, or
- Accesses alternative operating systems, such as UNIX®.

The Speaqualizer is a hardware attachment which enables you to hear data being displayed on the video monitor. Any program will work with the Speaqualizer as long as it sends character data to the screen and utilizes the system cursor.

Here are a few of the many features which make the Speaqualizer unique:

- Requires no additional text-to-speech software, leaving your computer's memory free for application programs
- Voice speed may be changed at any time, even while it is talking
- The instant quiet feature will silence the voice immediately, even in mid-syllable
- Supports reviewing text displayed in columns

On Sale! Speaqualizer



The Speaqualizer will work with the IBM PC™, XT™, AT®, PS/2™ Model 30/286, or compatibles that accept a full-size (13 inch) card, as long as they are not based on microchannel architecture. Operating instructions are provided in braille and in large type (also available separately). Recommended for ages 15 to adult.

1-07250-00.....\$600.00

Speaqualizer Manuals only:

Braille: 6-15800-00.....\$8.45

Large Type: 8-15800-00.....\$12.00

Note: APH manufactures the Speaqualizer through an agreement with the National Federation of the Blind (NFB). Quantity discount available! Please see page 68.

Battery Charger and Batteries

Item	Catalog no.	Price
Renewal® Rechargeable Alkaline Batteries (four AA).....	1-18984-00	\$5.00
Renewal® Battery Charger (recharge up to four Renewal® batteries)	1-18983-00	\$15.00
Lithium Battery, Panasonic #CR-2032, 3 volt (for Companion2000)	1-18985-00	\$1.00

On Sale! Miscellaneous

Braille Notebook

These turquoise 3-ring binders made of durable, heavy-duty board and covered with waterproof vinyl, will hold approximately 100 sheets of 11 x 11 inch braille paper. **1-04360-00.....\$6.00**

AVAILABLE ONLY WHILE SUPPLIES LAST

Braille Paper

Brown Glaze Braille Paper, 7 3/4 x 8 inches (nonpunched)

This heavy paper is ideal for 28-cell interpoint pocket slate users. 50 sheets per package.

1-04130-00.....\$3.75

AVAILABLE ONLY WHILE SUPPLIES LAST

Cardboard Sewing Cards

These help young children with sewing projects. They contain an 11 x 11 grid of embossed dots which are used as reference points for inserting a needle. The dots can also be used in math class for counting and forming dot patterns of various shapes with yarn and glue or waxy crayons. Measure 5 x 5 inches and are made of white braille paper. Sold in a package of 100. Recommended ages: 6 years and older. **1-04601-00.....\$10.00**

Cardboard Squares for Parquetry Work

Each card contains a 5 x 5 grid of embossed squares on manila braille paper. Young children can practice spatial orientation, or color geometric patterns and designs, using the grids. Measures 7 x 7 inches. Recommended ages: 6 years and older. Sold in a package of 100. **1-04621-00.....\$10.00**



Nylon Lace for Shoelace Aid

Although the Shoelace Aid has been discontinued, the replacement nylon lace is still available.

1-03810-00.....\$2.75

AVAILABLE ONLY WHILE SUPPLIES LAST.

Diamond Needle Replacement Cartridge

Although we no longer sell record players, we continue to sell this replacement part for the APH Portable Plus and the Talking Book Reproducer (TR-1000):

1-00980-00.....\$10.35

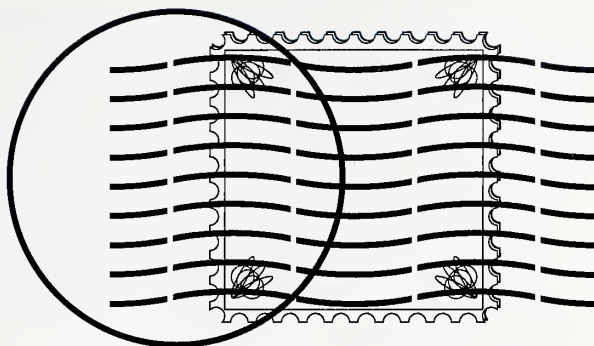


Storage Trays for Cassettes

Cassette Trays for the Discontinued 10-inch Record Container: Each tray holds six cassettes.

One tray will fit into the 3/4 inch deep container, two will fit in the 1 inch deep container. Sold in packs of five trays. **1-04981-00.....\$5.05**

Thank you for your interest in APH products! Please take a few moments to read the ordering information below. By following these directions, you will help us process your order as quickly as possible.



American Printing House for the Blind, Inc.
1839 Frankfort Avenue • P.O. Box 6085
Louisville, KY 40206-0085
Phone: 502-895-2405
Toll Free Customer Service: 800-223-1839
Toll Free Marketing/Sales: 800-572-0844
Fax: 502-899-2274
E-Mail: aph@iglou.com

Ordering Methods

Order by one of the following methods:

- Mail us an APH Order Form for Individuals
- Mail us a print, braille, or cassette letter
- Call us toll free and use a credit card (Discover®, MasterCard®, or Visa®): **1-800-572-0844**
- Come in to our Louisville, Kentucky facility: Monday-Friday, 8:00 a.m. to 3:00 p.m. Eastern time
- **If you are outside of the U.S.:** Before sending us an actual order with payment, we request that you send us a letter of inquiry specifying which products you wish to order. Please also include in your letter of inquiry whether you prefer shipment by surface or air mail. This will allow us to send you a pro forma invoice showing product prices, shipping costs, and insurance costs (if any—please see “Shipping” and “Insurance” below).
- **If you are ordering for an organization:** And have an account established with APH, please use an organization purchase order form. If you do not have an established account, please use one of the other ordering methods listed above.
- **If you are ordering with Federal Quota funds:** For a residential school, state department of education, rehabilitation agency, or other organization which has been assigned Federal Quota funds, please use a Quota Order Form. *This form must be signed by the Ex Officio Trustee for your account prior to submission to APH.*

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Ordering Information Needed

Please include the following information when ordering:

- Catalog numbers
- Quantity
- Product names
- Price each
- Total amount of purchase
- Method by which the products are to be shipped
- State tax and shipping charges (if any—please see “Terms of Payment” and “Shipping” below)
- Total amount due
- APH account number (if you are ordering with a purchase order or a Federal Quota order)

Terms of Payment

Payment in U.S. dollars must accompany each order (with the exception of accounts receivable and Federal Quota orders). APH accepts the following methods of payment:

- Checks drawn on a U.S. bank
- U.S. money orders
- Discover®, MasterCard®, and Visa® charge cards
- Cash on purchases made at our facility—*please do not mail cash*
- Letters of Credit on National City Bank, Louisville, Kentucky, U.S.A. *Note that this is the only bank on which we will accept Letters of Credit.*
- APH accepts orders on an accounts receivable basis from customers who are ordering for organizations with established accounts. Terms for all open account orders are NET 30. Please include a photocopy of APH’s invoice with your remittance. If you would like to establish an open account for your organization, please contact our Business Office.

Sorry, no C.O.D.s.

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Charge Card Orders: For charge card orders, please include the following:

- Card type
- Card number
- Expiration date
- Signature
- Telephone number



State Sales Tax: Residents of Kentucky must send state sales tax along with the purchase price of their orders: Kentucky State Sales Tax: 6%

Please note that product prices are subject to change without notice.

Shipping Methods

Shipping Methods within the U.S.: Material ordered by or for people who are visually impaired will be shipped Free Matter for the Blind, unless otherwise requested. If you wish for material to be shipped other than Free Matter, please write or call APH before placing an order. Please give the items you wish to order and the type of shipment preferred. APH will then give you the cost of shipment. This amount must be sent along with the purchase price of the items when you mail in the order. Please also note on your order the type of shipment you prefer.

Shipping Methods Outside of the U.S.: Certain items ordered by or for people who are visually impaired can be shipped to most overseas destinations via Free Matter for the Blind (surface mail). These include books, paper, and slates/styluses. The shipping charges for all other APH items must be paid by the customer. We recommend shipment by air mail, as surface mail is slow. All export and/or import duties, brokerage fees, etc., are paid by the customer. Please check with your local customs broker to make arrangements in advance.

Insurance

Insurance for Overseas Shipments: If we ship products which are greater than \$15 in value overseas by Free Matter for the Blind, we will automatically insure the shipment at the customer's expense. The charge for this insurance will be listed on the pro forma invoice.

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APH Returns Policy

Defective Merchandise:

APH makes every effort to inspect merchandise before it leaves our facility. If by chance you do receive an item which is defective, we will repair or replace it at no cost to you (we do reserve the right to choose whether we will repair or replace the item). In the case of items that have a specific warranty, we must be notified within one year of the date the item was shipped to the end user. In the case of items that do not have a specific warranty, we must be notified within 30 days of the date the item was shipped to the end user. For more information on warranties, please refer to the following section.

Other Returns:

We want you to be satisfied! You may return a nondamaged item for any reason within 60 days of the date that the item was shipped from us, subject to the following conditions:

- We require prior authorization for a return. Please write or call the APH Business Office to explain which items you would like to return. We will give you a return authorization number. When preparing the item for return to APH, please include your return authorization number along with your original purchase order number or a copy of the original packing slip or invoice. This will allow us to more quickly identify and process your return.
- Items must be in resalable condition.
- A 10% restocking charge will be deducted from your refund. This charge will not exceed \$15.00 per item for individuals and \$50.00 per item for organizations.

***Note: Special order items made to customer requests
(including books) may not be returned.***

Order Form for Individuals

1839 Frankfort Ave. / P.O. Box 6085 / Louisville, KY 40206-0085
Phone: 502-895-2405 / Toll Free: 800-572-0844 / Fax: 502-899-2274

Not to be used for Federal
Quota accounts.
Companies and other
organizations please use
own purchase order.



AMERICAN PRINTING HOUSE
FOR THE BLIND, INC.

• Ordered by:

• Date: _____

Name, First:	M.I.:	Last:
Address:		
City:	State:	Zip: Phone: ()

____ Check here if your address has changed since your last order.

• Ship to (if order is to be shipped to another address):

Name, First:	M.I.:	Last:
Address:		
City:	State:	Zip: Phone: ()

Catalog No.	Qty.	Name of Product	Price Ea.	Total

Sorry, No
C.O.D. Orders
Accepted

TOTAL AMOUNT OF PURCHASE
KY STATE SALES TAX – If you are a Kentucky resident, 6%
SHIPPING – If other than Free Matter for the Blind

TOTAL AMOUNT DUE

• Method of Payment:

___ Check ___ Money Order ___ MasterCard® ___ Visa® ___ Discover®



Card Number _____ Expiration Date _____

Signature _____

• Check type of shipment if other than Free Matter for the Blind:

___ Federal Express® ___ UPS® ___ UPS 2-Day ___ UPS Overnight ___ Other _____

Quantity Discount Schedule

We are happy to announce that we can now offer price discounts on quantity purchases of selected APH products! These discounts are available no matter what type of funds are used for purchase, including Federal Quota Funds. The items must be purchased on one order and shipped to a single destination. The following is our quantity discount schedule:

<u>Quantity Purchased</u>	<u>Discount</u>
0-15	-0-
16-25	1%
26-50	2%
51-100	3%
101-200	4%
201 and up	5%

The following is the list of items that can be purchased at a discount:

AC/DC Cassette Tape Recorder/Player	1-07130-00
APH Panasonic® Cassette Tape Recorder/Player and Radio	1-07074-00
Big Picture (Not Available on Quota)	1-03930-00
Braille 'n Speak® Classic	1-07309-00
Echo® II with <i>Textalker</i> ™	1-07212-00
Echo II with <i>Textalker-GS</i>	1-07213-00
Fine Motor Development Materials	1-08420-00
FOCUS in Mathematics: Academic Program	1-08280-00
Game Kit	1-08440-00
The Globe: Tactile and Visual	1-01551-00
Handi-Cassette II	1-07085-00
Light Box Materials: Level I	1-08670-00
Light Box Materials: Level II	1-08680-00
Light Box Materials: Level III	1-08690-00
Maps Represent Real Places: Map Study I	1-01130-00
Portable Sound Source II	1-03040-00
Prevocational Skills Development Materials Kit (entire kit)	1-08000-00
Program to Develop Efficiency in Visual Functioning	1-08530-00
Sensory Stimulation Kit (entire kit)	1-08610-00
Sensory Stimulation Kit: Tactual-Kinesthetic Kit only	1-08630-00
Speaqualizer Speech Access System	1-07250-00
Tangible Graphs	1-08860-00
Variable Intensity Study Lamp	1-08940-00

Limited Warranties on APH Products

All APH products are covered by a limited warranty. Certain products are covered by a warranty that expires one year from the date the item is shipped to the end user. All other APH products are covered by a warranty that expires 30 days from the date the item is shipped to the end user. *Warranty does not apply in cases of customer modification, misuse, or abuse of APH products. Please note that warranties do not cover replacement of electronic product accessories.* Items that have a one-year limited warranty include:

AC/DC Cassette Tape Recorder/Player	1-07130-00
APH Panasonic® Cassette Tape Recorder/Player and Radio	1-07074-00
Big Picture	1-03930-00
Braille 'n Speak® Classic	1-07309-00
Braille 'n Speak 640	1-07311-00
Companion2000 (includes External Floppy Disk Drive)	1-18982-00
Echo® II with <i>Textalker</i> ™	1-07212-00
Echo II with <i>Textalker-GS</i>	1-07213-00
Flicker Light	1-08160-00
Handi-Cassette II	1-07085-00
Light Box	1-08660-00
The Listening Post Audio Splitter	1-00941-00
Mini-Lite Box	1-08661-00
NOMAD by APH: For educational entities	1-08520-00
NOMAD by APH: For all other customers	1-08523-00
Perkins Braille	1-00850-00
Portable Sound Source II	1-03040-00
Speaqualizer Speech Access System	1-07250-00
Variable Intensity Study Lamp	1-08940-00

General Repair Policy

If you are experiencing trouble with an APH product, please call 1-800-223-1839. Explain the problem to our Customer Service staff. It is possible that we can help you over the phone. If it is determined that your product does require servicing, please use the following guidelines.

Products Under Warranty

If your APH product is still under warranty, ship it to us with a written description of the problem. We will repair or replace the item at no cost to you (subject to some restrictions). *Note: If you are submitting an electronic device for repair, we can more accurately determine the problem if you include all accessories such as batteries, battery clips, power adapters, and headphones; however, please note that warranties do not cover replacement of these accessories.*

continued on next page

Products Out of Warranty

If your APH item is out of warranty, please ship the product to APH with a written description of the problem. Please include an examination fee of \$26.00 for Perkins Braillewriters or \$23.00 for all other items. This fee covers the cost of examining your item and estimating the cost of repair. Submit the examination fee using a check; money order; Discover®, MasterCard®, or Visa® credit card; purchase order; or an authorized Federal Quota order. *Without the estimation fee, your equipment will be returned after 30 days without being examined, estimated, or repaired.*

After examining your item, we will contact you with our recommendations regarding repairs needed and repair cost. If you elect not to have the unit repaired, we will return it to you via UPS® (we will keep the examination fee). If you do elect to have the unit repaired, the examination fee will be applied toward the cost of repairs. Your repaired item will be shipped back to you via UPS. *If no response is received within 60 days, your APH product will be returned to you unrepaired (we will keep the examination fee).*

Warranty on Repairs

There is a 90-day warranty for work performed by APH on repaired equipment. This warranty covers both labor and parts. *As always, the warranty does not apply in cases of customer modification, misuse, or abuse of APH products. Please note that warranties do not cover replacement of electronic product accessories.* The examination fee will be waived during all warranty periods.

Cassette Recorder Repair

In order to speed up the servicing of your recorder, you may elect to authorize in advance repair work up to \$100.00. Please indicate this on your repair request.

Handi-Cassette Repair

The APH Handi-Cassette Recorder/Player (discontinued) was under warranty for a period of one year from date of shipment to the end user. You may have elected to purchase our two-year extended warranty for the Handi-Cassette.

If your Handi-Cassette is no longer under warranty and was purchased within the last three years, you may have it repaired for a flat fee of \$70.00 (this represents the usual cost of repairing a Handi-Cassette). Please send us this fee using one of our regular payment methods. *Note: This fee will not cover the cost of replacement electronic accessories such as batteries, battery clips, power adapters, or headphones.*

Braillewriter Repair

In order to speed up the servicing of your braillewriter, you may elect to authorize in advance repair work up to \$240.00. Please indicate this on your repair request.

Come Visit Our House!



Unique Tour and Museum at the American Printing House for the Blind

Tours:

APH offers an informative and fascinating guided tour of its facility. Visitors will see the production of braille publications, the recording of talking books, and a demonstration of special educational products for visually impaired students.

Museum:

The history of the education of blind people is presented in APH's multi-media museum. Artifacts, photographs, and electronic displays present such topics as the development of braille and the history of talking books. Other displays include an extensive collection of braillewriters and braille slates. All displays are accessible to people who are blind.

Facility:

APH is located in the historic Louisville neighborhood known as Clifton, with easy access to nearby I-64, I-65, and I-71. Motor coach parking is available on the street. Our building is wheel chair accessible.

Tour Hours:

10:00 a.m. and 2:00 p.m. Eastern Time, Monday-Friday, except holidays. Tour length: 1—1 1/2 hours. Please make advance reservations for groups of ten or more. *Tours can also be arranged for school or other groups of children ages 9 and up.*

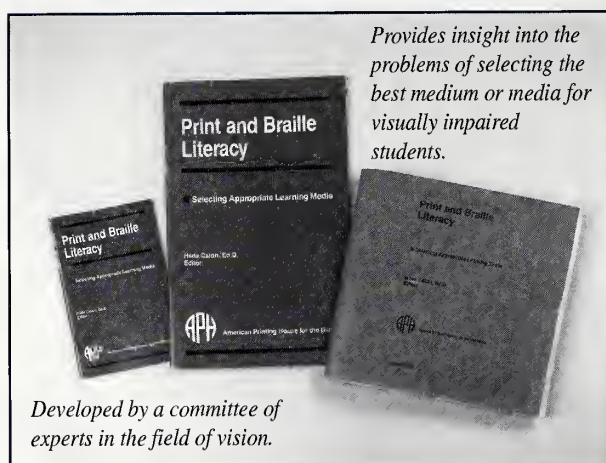
Museum Hours:

8:30 a.m. to 4:30 p.m. Eastern Time, Monday-Friday, except holidays.

***For more information, contact APH's
Special Projects Coordinator at 1-800-223-1839***

Literacy is the cornerstone of most educational endeavors.

APH products can help you choose appropriate media as well as teach reading in conjunction with braille.



Print and Braille Literacy: Selecting Appropriate Learning Media

Contains guidelines to help ensure that every visually impaired student will have adequate opportunity for learning to use the medium/media most appropriate for his or her needs. These guidelines do not contain formalized tests or assessment procedures, but they do contain a process which can be used to evaluate children in order to make preliminary decisions regarding appropriate learning medium/media.

Hilda Caton Ed.D., Editor. APH, 1991:

Braille Edition: 6-01500-00.....\$7.60

Large Type Edition: L-01500-00.....\$7.60

Print Edition: 8-01500-00.....\$7.60

NOT AVAILABLE ON QUOTA

TOOLS for Selecting Appropriate Learning Media

Designed to help parents, teachers, and administrators make decisions concerning students' use of braille, print, or both as their primary reading medium/media. This manual is an extension of the book *Print and Braille Literacy: Selecting Appropriate Learning Media*.

Assessment of literacy goals and learning media must be a continuing process, occurring a minimum of one time a year and more frequently if necessary. It is anticipated that *TOOLS* will be used by many different people for different purposes.

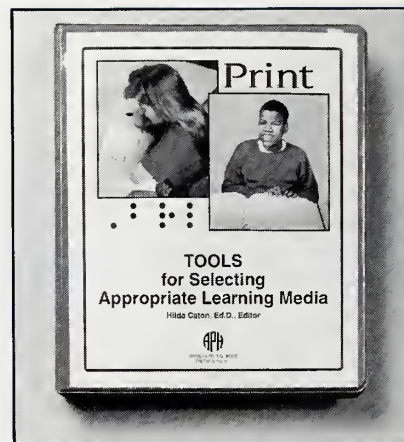
Hilda Caton, Ed.D., Editor. APH, 1994:

Braille Edition: 6-01501-00.....\$59.95

Large Type Edition: L-01501-00.....\$16.95

Print Edition: 8-01501-00.....\$23.70

Note: TOOLS IS AVAILABLE ON QUOTA

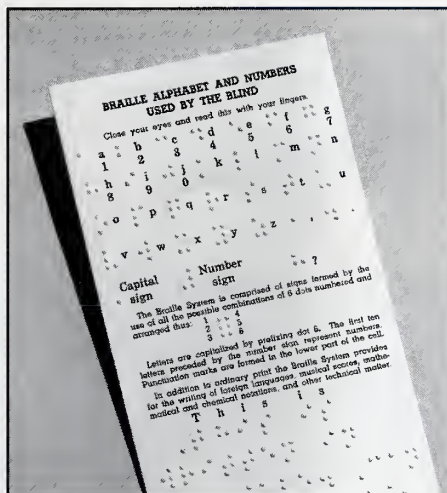
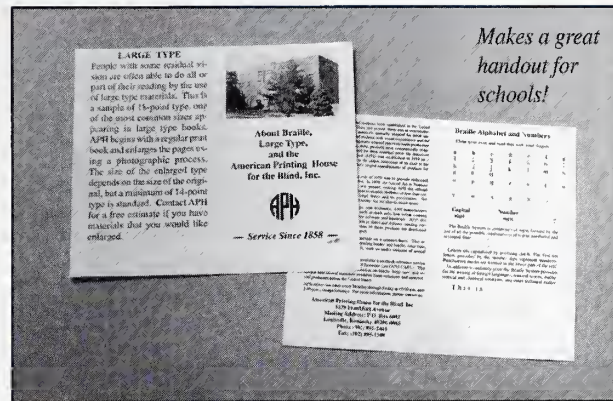


APH Alphabet Card Folder

Designed to raise the awareness of braille among print readers, this card displays the braille alphabet, presents a sample of large type, and provides a brief history of APH. Folds in half vertically. When folded, the card measures 3 5/8 x 6 1/4 inches. Sold individually. As a special educational service, up to five copies available free upon written or phone request.

1-04000-00 (up to five free).....\$0.13

NOT AVAILABLE ON QUOTA



Braille Alphabet and Numbers Card

Also intended to increase the awareness of braille among print readers, this card presents the alphabet, numbers, and limited punctuation signs in braille and in regular type. Simple legend appears at the bottom of the card in Grade 1 Braille, allowing for translation practice. Card measures 3 5/8 x 6 1/8 inches. 100 per package.

1-04020-00.....\$4.15

NOT AVAILABLE ON QUOTA

Braille Contraction Sheets

A handy reference tool! Pamphlet contains many of the common English Grade 2 Braille units, including contractions, word signs, short-form words, punctuation, and composition signs.

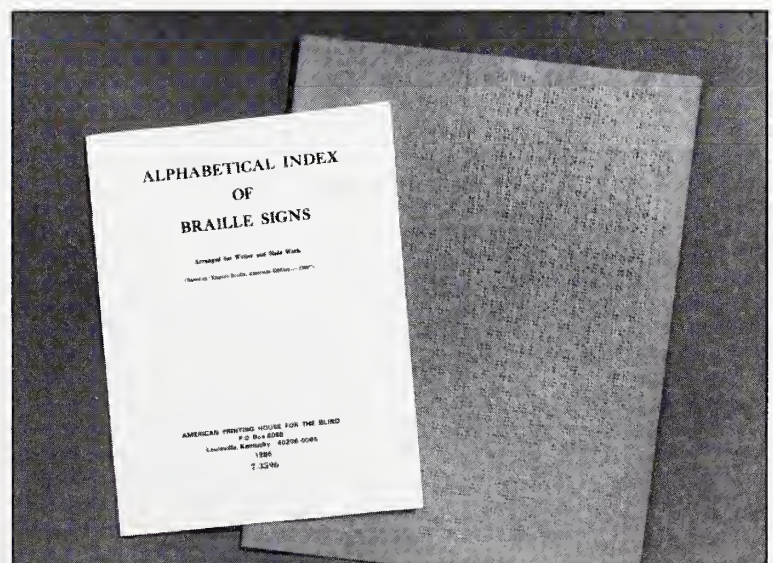
It comes in two versions, print and braille. As a special educational service, up to five copies of the braille version are available free upon written or phone request. Sold individually.

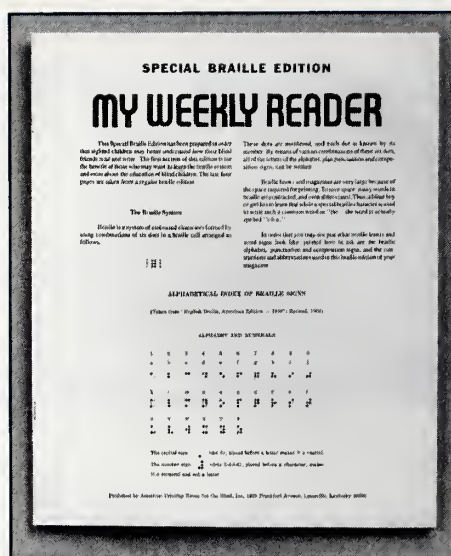
Print Version: 7-35960-00

(not available free).....\$0.80

Braille Version: 5-35960-00

(up to five copies free).....\$0.85





My Weekly Reader:® Special Braille Edition

Entertaining and educational publication is intended to increase the awareness of braille. Contains information about the braille code and about the education of students who are blind. Information is presented in both print and braille.

Up to five copies are available free upon written or phone request. Sold individually. Recommended ages: 8 years and older.

Z-SMWR (up to five free).....\$0.75

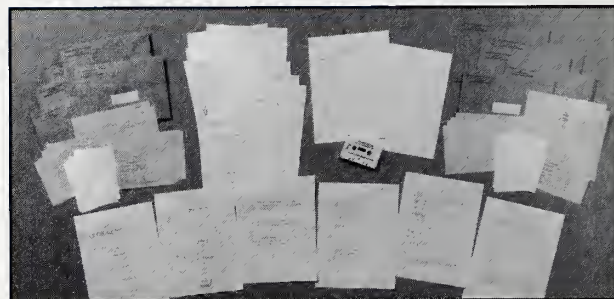
Literacy: Braille Instruction: Teaching Tools

Braille Code Recognition (BCR) Materials

Help students increase speed and accuracy in recognition of contractions, word signs, and short-form words in braille using BCR! Recommended for use with students who have a basic understanding of the braille code. Recommended ages: 10 years and older.

BCR comes in two versions, one for students and one for teachers (the Teacher's Kit is pictured). The Students' Kit, which provides for five students, includes:

- ✓ One braille booklet, BCR lists 1-20
- ✓ Five print sets, BCR lists 1-20
- ✓ One print copy, *Directions for BCR Lists*
- ✓ One print booklet, *BCR Exercises*
- ✓ One braille booklet, *BCR Exercises*
- ✓ One print copy, "Percentage Accurate Conversion Table"
- ✓ Five sheets, Braille Progress Charts (also available separately)



Teachers' Kit, which provides for up to 10 teachers, includes:

- ✓ One instructional cassette tape which is 30 minutes in length
- ✓ Two sets of practice/assessment packets, five copies of each
- ✓ Ten sets of handouts, 1-6
- ✓ One *Leader's Guide*
- ✓ Ten Evaluation Forms

Students' Kit: 1-03240-00.....\$24.30

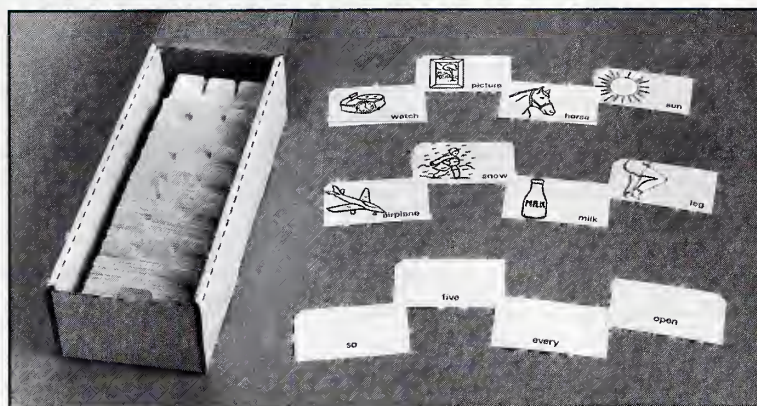
Teachers' Kit: 1-03250-00.....\$33.50

**Braille Progress Charts only (50 sheets):
1-04050-00.....\$4.10**

Expanded Dolch Word Cards

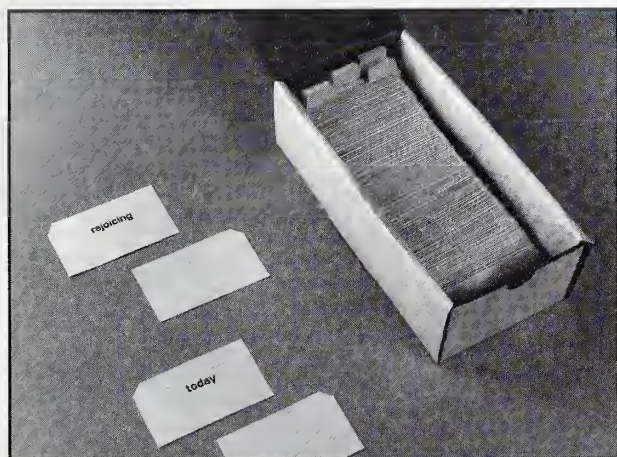
Get braille students “up to speed” with this handy set of word cards. Cards are composed of both the Dolch 220 Basic Sight Vocabulary Cards® and the 95 Picture-Word Cards®. They consist of pronouns, adjectives, adverbs, prepositions, conjunctions, and common verbs which make up 50% to 75% of all school reading matter. Picture-Word Cards present nouns which have been found to be of the widest use in basal readers. Cards can be used to drill and assess a student’s ability to read words in Grade 2 Braille and to spell words in Grade 1 Braille.

Each card measures 3 1/2 x 2 inches, with one upper corner cut to aid in orientation. Cards contain both large type and braille words on both sides. In addition, the Picture-Word Cards each contain a picture corresponding to the word. On both types of cards the



words are shown in Grade 1 Braille on one side and Grade 2 Braille on the other. An additional 30 blank cards allow for adding words of the teacher’s choice. Indexing tabs and a storage box are also included. Recommended ages: 5 years and older.

1-03560-00.....\$16.00



Grade 2 Braille Cards

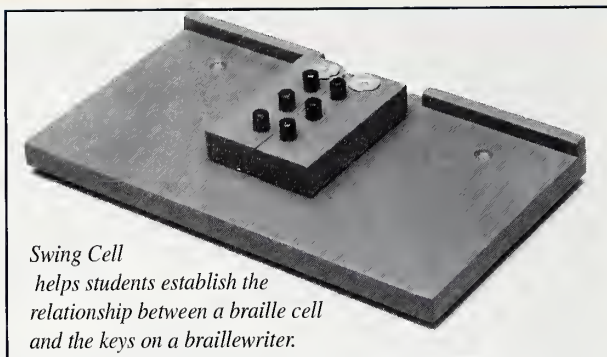
Additional practice for students can be gained with Grade 2 Braille Cards. This is a set of flashcards designed to help drill and refresh braille users on the braille literary code. Includes in both large type and braille:

- Alphabet and numbers
- Punctuation and composition signs

- One-cell whole-word and part-word signs
- Two-cell contractions
- Short-form words

There are 247 cards, each measuring 3 1/2 x 2 inches. The first 26 cards contain the alphabet on one side and corresponding large type on the other side. The remaining 221 cards contain Grade 2 Braille on one side and both Grade 1 Braille and large type on the other side. On the side of each card showing Grade 2 Braille, the upper right hand corner has been cut for orientation. Additionally, a row of braille c’s is embossed across the top of both sides of each card for further orientation. A full braille cell has been placed next to all lower-cell signs to show their relative position. Eight blank cards, 30 indexing cards with tabs, and a storage box are included. Recommended ages: 6 years and older.

1-03561-00.....\$10.35



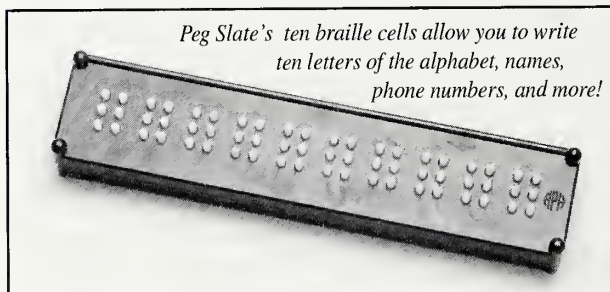
*Swing Cell
helps students establish the
relationship between a braille cell
and the keys on a braillewriter.*

Swing Cell

Introduce beginning braille users to the braille cell using this clever device. Two rectangular blocks are hinged together on the top and mounted on a wooden base measuring 11 1/2 x 6 1/2 inches. Three holes in each of the blocks represent the spaces for dots in a braille cell. Pegs can be inserted into the holes to represent braille dots. In the vertical or reading position the pegs form the braille cell. In the horizontal or writing position the pegs show the position of the keys on a braillewriter. Recommended ages: 5 years and older. **6-78040-00.....\$41.00**

Peg Slate

Simple, paperless device designed to help teach beginning users of the braille slate. Instead of dots, small pegs are pushed down from right to left with an audible click; braille characters can then be read on the other side from left to right.



*Peg Slate's ten braille cells allow you to write
ten letters of the alphabet, names,
phone numbers, and more!*

Measures 7 3/4 x 1 3/4 x 1 inches and is made of rugged black plastic with white plastic pegs for high contrast. Instructions in print and braille. Recommended Ages: 6 years to adult.

1-08830-00.....\$17.65

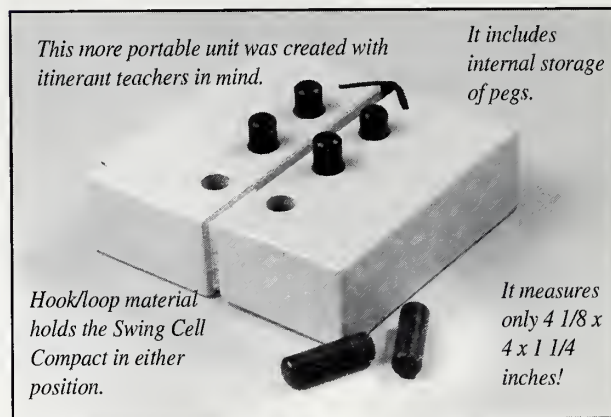
Note: The Peg Slate is included in the Braillewriting Dot by Dot Print Kit, 7-17400-00, and Braille Kit, 5-17400-00.



Swing Cell Compact

Similar to the Swing Cell, but without the base and is smaller and lighter than the original. Like the Swing Cell, it helps students understand the relationship between the braille cell and the keys on a braillewriter. Recommended Ages: 5 years and older.

6-78041-00.....\$22.00



*This more portable unit was created with
itinerant teachers in mind.*

*It includes
internal storage
of pegs.*

*Hook/loop material
holds the Swing Cell
Compact in either
position.*

*It measures
only 4 1/8 x
4 x 1 1/4
inches!*

Note: the Swing Cell Compact is now included in the Patterns: The Primary Braille Reading Program, Readiness Level, Complete Print Kit, catalog no. 6-78000-00.

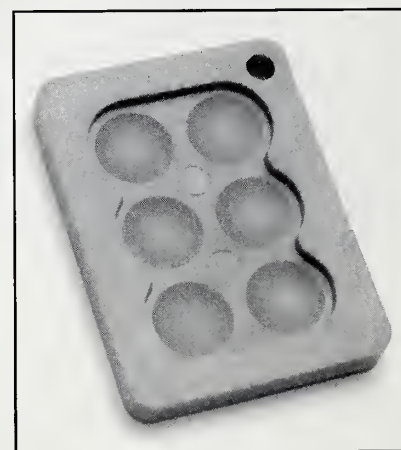


Big Cell

Allows a brailist to examine the inside of a cell before trying to use a stylus. This plastic magnification of the cell inside the window on a braille slate

helps beginning slate users learn where to put the stylus for the various dot positions.

1-08820-00.....\$4.50



Touch and Tell

Stimulate thinking and discussion with young children using this classic set of braille reading readiness books. It consists of three hard-bound volumes with tactile pages and a regular type booklet of instructions. Volumes I and II introduce the child to embossed hands and geometric forms, while Volume III introduces the child to braille dots. Recommended ages: 5 to 6 years.

6-44670-00.....\$36.80

Instruction booklet only: 8-44660-00.....\$0.85



Introduce embossed hands, geometric forms, and braille dots.

Note: Formboard with Removable Hands (1-03700-00) is a good precursor to Touch and Tell. Tactual Discrimination Worksheets (1-08810-00) provide additional practice. Modern Methods of Teaching Braille, Book 1 (5-82850-00) provides similar activities.

Tactual Discrimination Worksheets

Time-tested four-part set of consumable worksheets for braille reading readiness.

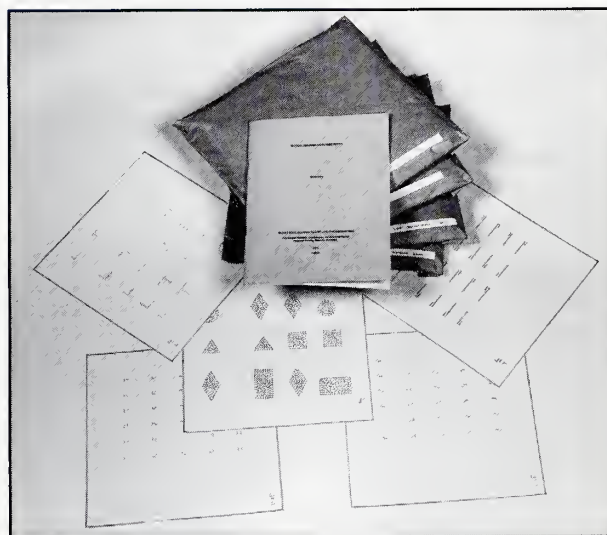
Included are:

- ✓ Twenty geometric form sheets
- ✓ Twenty-six line sheets
- ✓ Twenty angular figure sheets
- ✓ Twenty braille code character sheets

Students are asked to perform tasks such as finding the figure which is different in a row of figures, finding the two figures in a row of figures which are the same, finding the breaks in a raised line, etc. Teacher's instruction manual in regular type is included. Recommended ages: 5 to 6 years and other beginning braille readers of all ages.

1-08810-00.....\$18.00

Extra Worksheets only: 1-08800-00.....\$13.80



Beginning braille students of all ages can benefit from these consumable tactual discrimination worksheets.

Preparatory Reading Program for Visually Handicapped Children (PREP)

A program for students who are potentially braille readers or large type readers, *PREP* focuses on the ten concepts considered to be most directly related to the reading process. Instructional objectives were developed around each key concept, and multisensory lessons were created to teach these objectives.

In addition, each unit includes a storybook in large type and braille with simple raised-line drawings. They dramatize the key concepts in each unit and raise questions designed to stimulate a child's reasoning and reading comprehension skills. Recommended ages: 3 years and up.

8-01200-00.....\$110.45



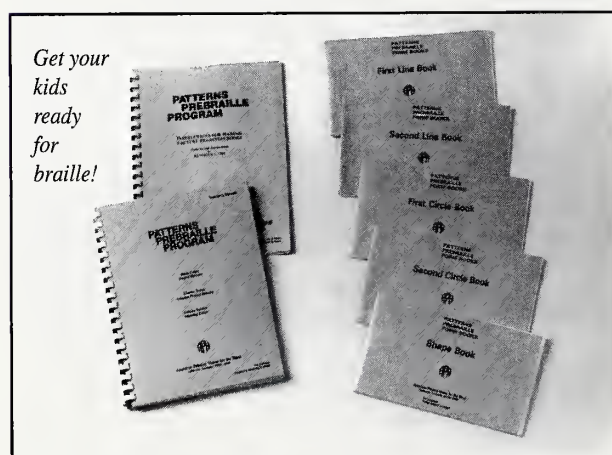
Items available separately:

Teacher's Manual 8-01220-00.....\$50.45

Storybooks 8-01210-00.....\$60.00

Patterns Prebraille Program

Designed to help children before they begin a basic braille reading program. *Patterns Prebraille Program*



helps build a child's auditory, tactual, conceptual, and language abilities in preparation for braille reading, math, and so on. With the exception of some tactual skills, mastery is not the goal. Emphasis in this program is on exposure to a variety of common childhood experiences.

6-78360-00.....\$40.50

Items available separately:

Teacher's Manual 8-78380-00.....\$20.55

Instructions for Making Tactual Readiness

Books 8-78370-00.....\$5.95

Patterns Prebraille Form Books

6-78361-00.....\$14.95

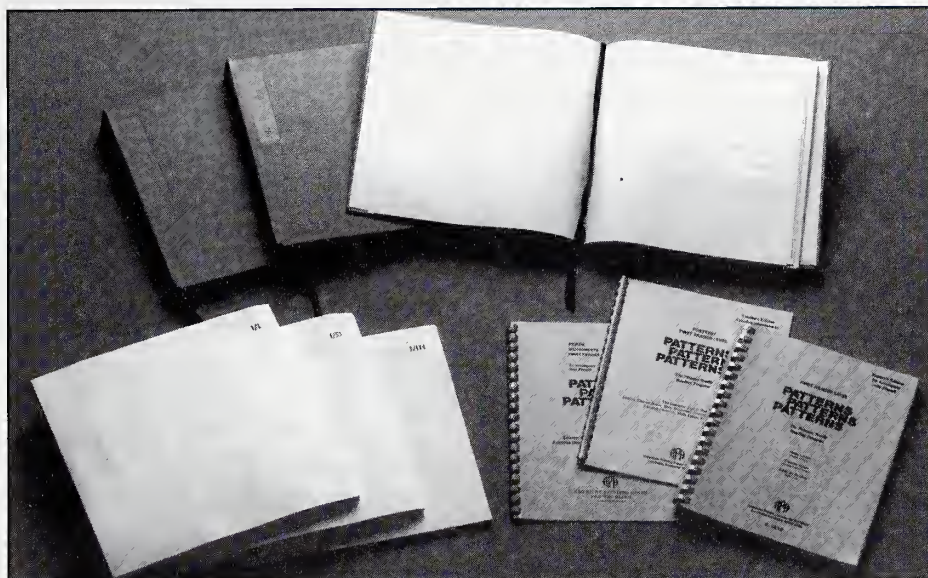
Other readiness-related items in this catalog:

- *On the Way to Literacy*—feature spread at end of catalog.
- Sensory Stimulation Kit, Tactual-Kinesthetic Kit—see Early Childhood and Multihandicapped Products.
- Cardboard Sewing Cards and Cardboard Squares for Parquetry Work—see Sale Section.

Patterns: The Primary Braille Reading Program

Complete program designed specifically for young beginning braille readers, readiness through third reader level.

Word recognition is taught through tactual memory, phonological skills, and syntactical skills. The teaching approach in *Patterns* varies. Depending on the skills to be introduced, the approach may be analytic—moving from the whole to the parts—or synthetic—moving from the parts to the whole.



Patterns contains a variety of learning materials including a braille text and worksheet for all levels. Teacher's edition with lesson plans is also provided to help teachers understand and teach the program.

Following the completion of each level, students are administered a mastery test. Supplementary worksheets are provided for students who need additional practice in specific areas. Recommended ages: 5 years and up.

Note: Braille versions of *Patterns* teacher's editions available from APH are vacuum form books that were transcribed by the Braille Services Guild of California. Complete kits include only the print versions of the teacher's editions; braille teacher's editions must be ordered separately. The Third Reader Level braille Teacher's Edition and Teacher's Edition for Posttest are available only from Omaha Public Schools Vision Impaired Program, (402) 557-2466. A braille Third Reader Level Teacher's Edition for Review Worksheets is not available.

Scope and Sequence Chart

8-78350-00.....\$1.95

Readiness Level (Red):

Go and Do, Letters and You

Complete Print Kit (with Swing Cell Compact)

6-78000-00.....\$95.80

Items available separately:

Pupil's Texts

6-78010-00.....\$17.05

Teacher's Edition for Pupil's Texts:

Braille T-32130-00.....\$309.00

Print 8-78010-00.....\$17.95

Review Worksheets

6-78020-00.....\$9.95

Teacher's Edition for Review Worksheets:

Braille T-32150-00.....\$24.00

Print 8-78020-00.....\$3.05

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Readiness Level (Red) continued:

Posttest

6-78030-00.....\$3.05

Teacher's Edition for Posttest:

Braille T-32140-00.....\$33.00

Print 8-78030-00.....\$3.75

Swing Cell Compact

6-78041-00.....\$22.00

Preprimer Level (Blue):

Work and Play, Little and Big, Words and Games

Complete Print Kit

6-78050-00.....\$64.95

Items available separately:

Pupil's Texts

6-78060-00.....\$12.95

Worksheets

6-78070-00.....\$17.15

Teacher's Edition for Pupil's Texts and Worksheets:

Braille T-32210-00.....\$385.20

Print 8-78060-00.....\$17.75

Review Worksheets

6-78080-00.....\$6.95

Teacher's Edition for Review Worksheets:

Braille T-32220-00.....\$31.20

Print 8-78080-00.....\$3.95

Posttest

6-78090-00.....\$4.95

Teacher's Edition for Posttest:

Braille T-32230-00.....\$24.00

Print 8-78090-00.....\$2.50

Primer Level (Green):

City and Farm

Complete Print Kit

6-78100-00.....\$94.80

Items available separately:

Pupil's Text

6-78110-00.....\$39.95

Worksheets

6-78120-00.....\$19.30

Teacher's Edition for Pupil's Text and Worksheets:

Braille T-32100-00.....\$384.60

Print 8-78110-00.....\$10.95

Review Worksheets

6-78130-00.....\$10.70

Teacher's Edition for Review Worksheets:

Braille T-32110-00.....\$39.60

Print 8-78130-00.....\$4.95

Posttest

6-78140-00.....\$6.95

Teacher's Edition for Posttest:

Braille T-32120-00.....\$34.80

Print 8-78140-00.....\$3.95

First Reader Level (Yellow):

New Friends

Complete Print Kit

6-78150-00.....\$122.90

Items available separately:

Pupil's Text

6-78160-00.....\$39.90

Worksheets

6-78170-00.....\$28.35

Teacher's Edition for Pupil's Text and Worksheets:

Braille T-32180-00.....\$539.40

Print 8-78160-00.....\$22.75

Review Worksheets

6-78180-00.....\$11.95

Teacher's Edition for Review Worksheets:

Braille T-32190-00.....\$30.00

Print 8-78180-00.....\$6.95

Posttest

6-78190-00.....\$8.95

Teacher's Edition for Posttest:

Braille T-32200-00.....\$34.20

Print 8-78190-00.....\$5.95

Second Reader Level (Brown):

Old and New

Complete Print Kit

6-78200-00.....\$144.75

Items available separately:

Pupil's Text

6-78210-00.....\$31.95

Worksheets

6-78220-00.....\$54.35

Teacher's Edition for Pupil's Text and Worksheets:

Braille T-32240-00.....\$611.40

Print 8-78210-00.....\$31.50

Review Worksheets

6-78230-00.....\$12.25

Teacher's Edition for Review Worksheets:

Braille T-32250-00.....\$43.20

Print 8-78230-00.....\$3.95

Posttest

6-78240-00.....\$7.95

Teacher's Edition for Posttest:

Braille T-32260-00.....\$30.00

Print 8-78240-00.....\$4.75

Third Reader Level (Grey):

Far Away and Long Ago

Complete Print Kit

6-78250-00.....\$212.90

Items available separately:

Pupil's Text and Glossary

6-78260-00.....\$52.35

Worksheets

6-78270-00.....\$75.95

Teacher's Edition for Pupil's Text and Worksheets:

Braille available from Omaha

Print 8-78260-00.....\$45.95

Review Worksheets

6-78280-00.....\$12.25

Teacher's Edition for Review Worksheets:

Braille not available

Print 8-78280-00.....\$8.95

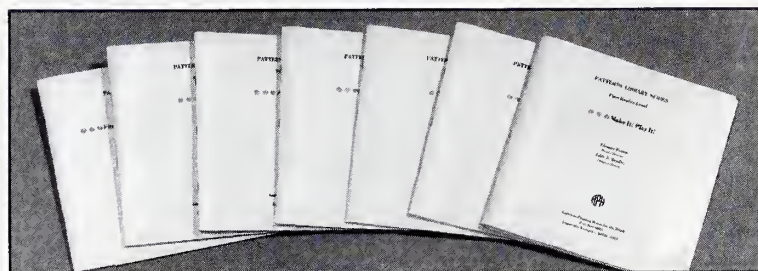
Posttest

6-78290-00.....\$12.25

Teacher's Edition for Posttest:

Braille available from Omaha

Print 8-78290-00.....\$7.15



The *Patterns Library Series* contains many interesting and fun stories to help students practice their braille skills.

Patterns Library Series

This series is designed for students who have completed the corresponding levels of *Patterns*.

Library Series Preprimer Level (Blue):

Complete Kit 6-78300-00.....\$49.95

Notes for Teachers only 8-78300-00.....\$5.95

Library Series Primer Level (Green):

Complete Kit 6-78310-00.....\$74.05

Notes for Teachers only 8-78310-00.....\$3.95

Library Series First Reader Level (Yellow):

Complete Kit 6-78320-00.....\$94.20

Notes for Teachers only 8-78320-00.....\$5.95

Library Series Second Reader Level (Brown):

Complete Kit 6-78330-00.....\$85.95

Notes for Teachers only 8-78330-00.....\$6.95

Library Series Third Reader Level (Grey):

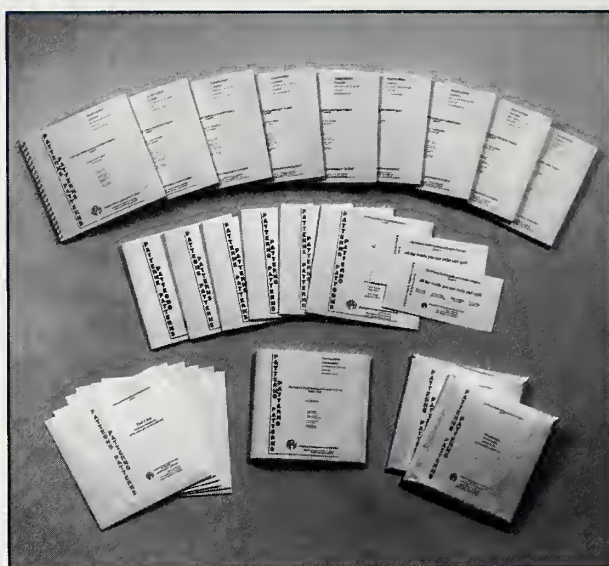
Complete Kit 6-78340-00.....\$90.95

Notes for Teachers only 8-78340-00.....\$9.90

Patterns: The Primary Braille Spelling and English Program

Teach complete spelling and language skills to primary grade students who will use braille as their main writing medium with this companion program to *Patterns: The Primary Braille Reading Program*.

It is composed of textbooks, posttests, worksheets, and teacher's editions in print and braille. When used with the *Reading Program*, it provides a whole language approach tailored to take advantage of the strengths of the braille code. It addresses the problems of braille users who must master the braille code as well as learn to communicate in print.



Patterns: Spelling and English, Level A, Braille Teacher's Kit.

There are four levels of *Patterns: Spelling and English Program*, Levels A through D. Levels A and B are available. Level C will be available soon.

- **Level A** builds on vocabulary and skills covered in the Readiness, Preprimer, and Primer Levels of *Patterns: Reading Program*. Introduces students to writing on a braillewriter, spelling in Grade 2 Braille, and English.
- **Level B** corresponds with the First Reader Level of *Patterns: Reading Program* and builds on writing, spelling, and English skills presented in Level A and introduces Grade 1 Braille spelling.
- **Level C** introduces braille writing with a slate and stylus and builds on skills covered in the previous levels. Corresponds to the Second Reader Level of *Patterns: Reading Program*.

Level A (Green Lettering):

All the Words You Can Write and Spell, All Around City and Farm, All About Me

Teacher's Complete Kit:

Braille 6-78363-00.....\$127.65

Print 6-78362-00.....\$59.80

Items available separately:

Texts (braille only) 6-78366-00.....\$12.95

Teacher's Edition:

Braille 6-78365-00.....\$85.35

Print 8-78364-00.....\$15.10

Worksheets (braille only)

6-78367-00.....\$13.20

Posttest (braille only) 6-78370-00.....\$7.95

Posttest Teacher's Edition:

Braille 6-78369-00.....\$9.15

Print 8-78368-00.....\$11.55

Level B (Purple Lettering):

Building Blocks

Complete Teacher's Kit:

Braille 6-78372-00.....\$137.75

Print 6-78371-00.....\$68.15

Items available separately:

Text (braille only) 6-78375-00.....\$19.45

Teacher's Edition:

Braille 6-78374-00.....\$89.05

Print 8-78373-00.....\$20.95

Worksheets (braille only)

6-78376-00.....\$15.10

Posttest (braille only) 6-78379-00.....\$5.95

Posttest Teacher's Edition:

Braille 6-78378-00.....\$9.15

Print 8-78377-00.....\$7.65



Level C (Blue Lettering):

Communicating

Complete Teacher's Kit:

Braille 6-78381-00.....\$TBA

Print 6-78380-00.....\$TBA

Items available separately:

Text (braille only) 6-78384-00.....\$TBA

Teacher's Edition:

Braille 6-78383-00.....\$TBA

Print 8-78382-00.....\$TBA

Worksheets (braille only)

6-78385-00.....\$TBA

Posttest (braille only) 6-78388-00.....\$TBA

Posttest Teacher's Editions:

Braille 6-78387-00.....\$TBA

Print 6-78386-00.....\$TBA

Read Again: A Braille Program for Adventitiously Blinded Print Readers

Comprehensive teaching program presents the braille code to teenagers and adults who were print readers and now need to use braille as their reading medium.

It is not intended to teach reading skills.

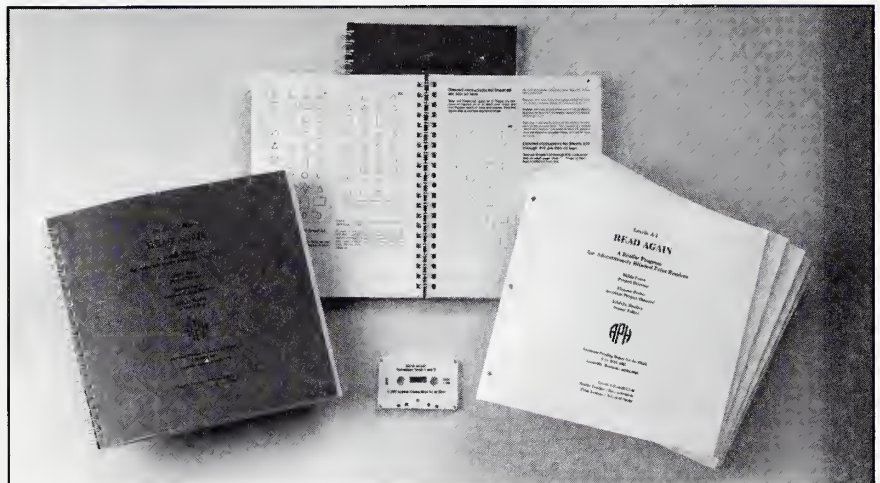
Designed to aid students in making the transition from print to braille, *Read Again* provides instruction for:

- Developing skills in tactual discrimination
- Learning Grade 1 Braille
- Learning Grade 2 Braille

Read Again materials include punched worksheets with references and instructional materials, reading selections and activities, tests, and review worksheets; cassette tape instructions for student use during Levels A and B; and *Teacher's Editions* in print or in braille.

There are nine levels in *Read Again* (unless otherwise noted, all of these levels include tests to measure student progress and selections for reading practice).

continued on next page



Teenagers and adults can make the transition from print to braille with *Read Again*.

continued from previous page:

Read Again: A Braille Program for Adventitiously Blinded Print Readers:

Braille Teacher's Kit (braille *Teacher's Edition*, two braille copies of *Levels A-I* student materials, and recorded instructions for *Levels A* and *B*)

6-03700-00.....\$186.25

Print Teacher's Kit (print *Teacher's Edition*, *Levels A-I* braille student materials, and recorded instructions for *Levels A* and *B*)

6-03730-00.....\$108.35

Items available separately:

Brailled student materials, *Levels A-I*

6-03711-00.....\$82.40

Brailled readiness materials, *Level A* only
6-03710-00.....\$4.80

Brailled Grade 1 materials, *Levels B* and *C* only 6-03712-00.....\$29.50

Brailled Grade 2 materials, *Levels D-I* only
6-03713-00.....\$48.10

Braille Teacher's Edition (information on all student materials and instructions for exercises) 6-03720-00.....\$101.35

Print Teacher's Edition (information on all student materials and instructions for exercises) 8-03720-00.....\$29.81

Recorded instructions for *Levels A* and *B*
C-03700-00.....\$2.50



Students learn how to read pictographs, bar graphs, circle graphs, and line graphs with the Tangible Graph program.

Tangible Graphs

Teaches tactile graph reading. It includes:

- ✓ A three-volume braille student text
- ✓ A two-volume braille student graph test
- ✓ Five sets of braille graph test answer sheets
- ✓ A regular print teacher's guide to the student test
- ✓ A regular print teacher's guide to the graph test

Cork board, five sets of embossed graph sheets, push pins, and rubber bands are included for student graph construction. Recommended ages: 8 years and older.
1-08860-00.....\$187.15

Items available separately:

Braille Graph Test Answer Sheets (five braille sets) 6-39520-00.....\$3.94

Print Teacher's Guide 8-39530-00.....\$36.44

Embossed Graph Sheets for Cork Board
6-39510-00.....\$2.52

Quantity discount available! See page 68.



Braillewriting Dot by Dot

Innovative program designed to provide instruction in writing braille with either a braillewriter or a slate and stylus. Most programs teach individuals to *read* braille; this kit focuses on beginning *writing* skills. Dot by Dot is appropriate for adventitiously blind children or adults, congenitally blind elementary students, or congenitally blind adults wanting to learn a new method of braillewriting.

Components of Dot by Dot:

- ✓ **Teacher's Manual** with ten basic lessons in each writing method and three "Beyond the Basics" lessons
- ✓ **Exercise Cassette** allows students to do dictation exercises independently
- ✓ **Alphabet Etc.**—a braille reference sheet

The relationship between braille reading and each method of writing is demonstrated:

- For the slate and stylus—**Peg Slate** (see page 76) and **Big Cell**—a plastic device that lets students explore the shape of a braille cell on a slate and locate dot positions with their fingers (both are included with Dot by Dot)
- For the slate and the braillewriter—**Swing Cells** (NOT included with Dot by Dot—see page 76)

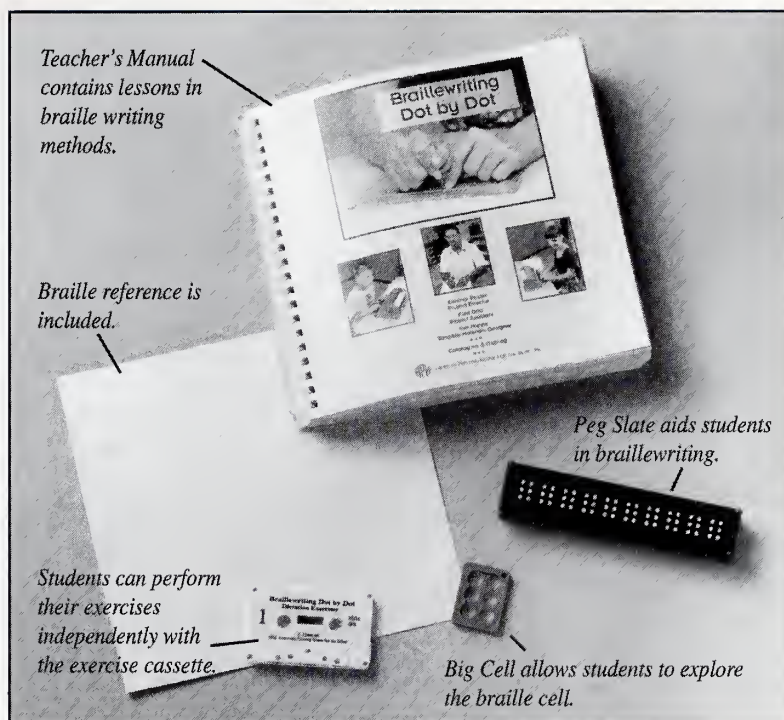
Braillewriting Dot by Dot comes in two versions: a Print Kit (with print Teacher's Manual) and a Braille Kit (with braille Teacher's Manual).

Recommended Ages: 8 years–adult.

Braillewriting Dot by Dot Kit:

Braille 5-17400-00.....\$55.05

Print 7-17400-00.....\$51.30



Braillewriting Dot by Dot helps students develop braille writing skills. Kits are available in Braille (pictured above) and Print.

Items available separately:

Teacher's Edition:

Braille 5-17401-00.....\$31.05

Print 7-17401-00.....\$27.30

Exercise Cassette C-17401-00....\$1.50

Big Cell 1-08820-00.....\$4.50

Alphabet Etc. 5-17402-00.....\$0.35

Need Accessible Media Products?

We Can Custom Make Them for You!

For a free estimate on your project

Call 1-800-572-0844

Tactile Graphics Starter Kit

Intended for those who have little or no practical experience in making tactile graphics, allowing you to make a variety of graphic displays. It is ideal if you need only a limited number of tactile displays.

Some of the tactile graphics you can create are maps of countries and continents, bar graphs, pie charts, and illustrations for anything from children's books to anatomical charts. The sky's the limit!

Print Manual describes how to use the materials contained in this kit, in addition to giving brief guidelines for designing tactile graphics based on research showing what is effective for blind and visually impaired students.

Tactile Graphics Starter Kit contains:

- ✓ **Three Bottles of Craft Ink** to draw thin raised lines (solid, dotted, or dashed) using the bottle's applicator



All the materials you need for creating simple graphics.

- ✓ **Tactually Discriminable Fabrics and Patterns**
- ✓ **Paper Point Symbols** that may be cut out and glued to a graphic
- ✓ **Alphabetical Index of Braille Signs** for reference in making braille labels for your tactile graphics
- ✓ **Slate and Stylus** for use in making braille labels
- ✓ **Print Manual** with information on general rules for making tactile graphics, samples of good and bad graphics, a bibliography, and more

1-08839-00.....\$24.95

Manual for Tactile Graphics Starter Kit
(regular print) only 8-08839-00.....\$2.50

Learn how to make easy-to-use maps, graphs, charts, and more with the Tactile Graphics Starter Kit.

Tactile Graphics Kit

Contains tools and materials for constructing master tactile graphic displays of all types: maps, graphs, diagrams, charts, etc. Masters are constructed from heavy gauge aluminum foil (also available separately) and can be reproduced on a vacuum-form machine. Tools in the kit allow for constructing seven kinds of points, seven kinds of lines, and four areal patterns. Comes with a detailed guidebook. Recommended ages: 14 years and older.

1-08840-00.....\$231.05

Tactile Graphics Guidebook only:

8-39100-00.....\$20.15



Tools and other components allow you to make custom tactile graphic masters.

Tools for making lines, areal patterns, and points help you create custom tactile graphic masters. Braille slate and stylus, aluminum foil, and guidebook are included in the Tactile Graphics Kit.



Produce your tactile graphic master on Aluminum Diagramming Foil for multiple copy reproduction.

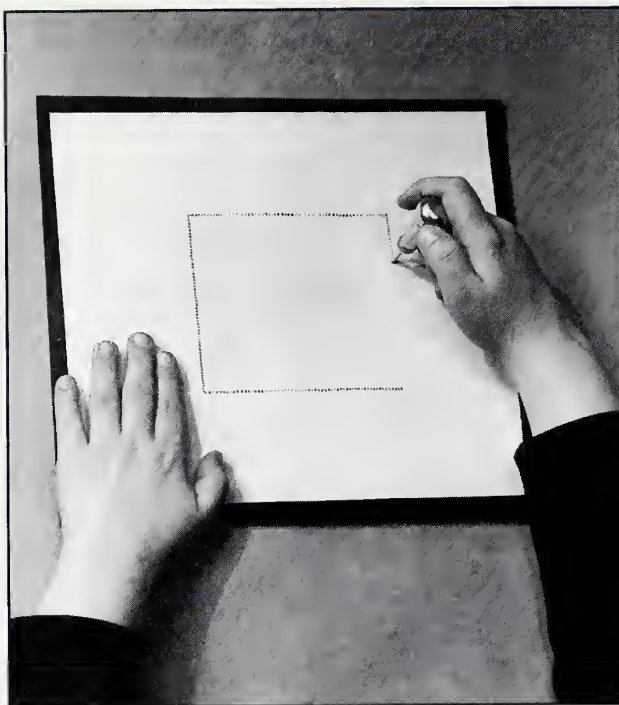
Aluminum Diagramming Foil for Use with Tactile Graphics Kit

Foil is used for creating masters of raised-line drawings. Masters can then be used to produce multiple copies of the drawings on a vacuum-form machine. The foil is sprayed on one side with flat, off-white paint which readily accepts pencil or ink. It is .005 inch thick and is available in roll or sheet form. Aluminum Roll is 11 inches wide and approximately 150 feet long. Sheets measure 11 x 11 inches. 30 sheets per package.

Roll 1-04120-00.....\$59.45

Sheets 1-04090-00.....\$20.30

Choose aluminum diagramming foil in sheets or rolls for producing tactile graphic masters.



Swail Dot Inverter

Designed for embossing single dots, the swail dot inverter is used to construct simple charts, diagrams, graphs, and maps. It includes a special metal stylus and a 12 x 12 inch rubber pad. Braille paper is placed on top of the pad for embossing. Special stylus allows dots to be embossed up towards the user by puncturing the paper on the down stroke and then pulling the dot upwards on the up stroke (leaves an undetectable hole in the dot). Replacement Rubber Pad can be ordered separately. Recommended ages: 5 years and older.

1-03610-00.....\$45.65

Replacement Rubber Pad 1-03620-00.....\$8.25

Literacy: Calendars

InSights Large Print/Braille Calendar

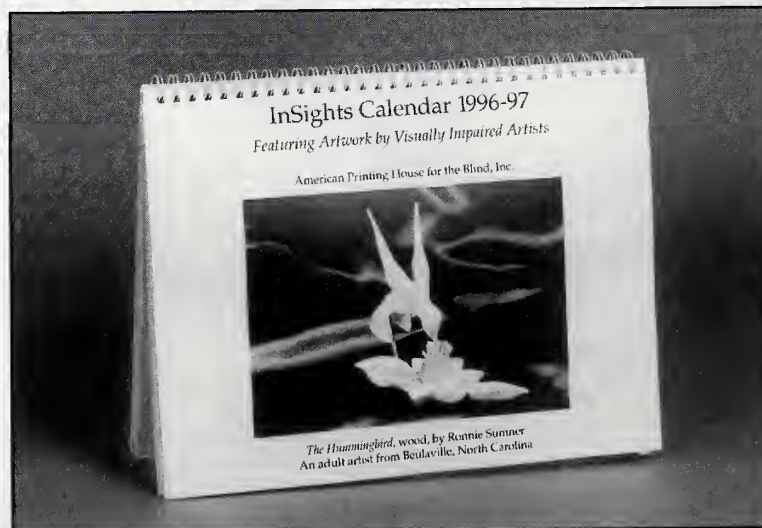
Beautiful 16 month calendar (September 1996-December 1997), features the artwork of visually impaired artists. Suitable for low vision and blind individuals. Brightly colored calendar can be used at a desk or hung on a wall.

Months, days, holidays, and moon phases appear in both braille and large type and are noted at the bottom of each month's page. And, it is ring bound to allow pages to be folded over easily.

Calendars can be purchased in quantities at a special price for fundraising projects by clubs, organizations, schools, etc. Your group's name can be printed on a frontpiece and attached to the front cover of the calendar, increasing your group's visibility in the community.

InSights Calendar fundraising questions and orders should be directed to APH's Marketing Department.

5-18971-97.....\$TBA

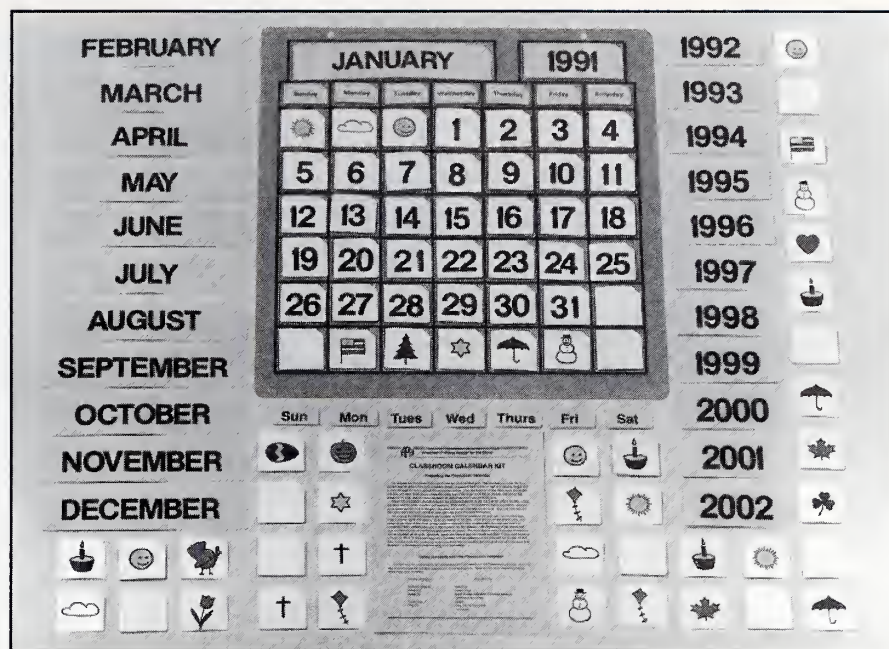


Classroom Calendar Kit

Introduce sighted and blind children to concepts, such as using a calendar for measuring time, tracking from left to right and moving from top to bottom, recording weather observations, recognizing and sequencing numerals, and the awareness of holidays and special days.

This is a large visual/tactile wall calendar which uses removable plastic labels to depict one month. Other features include:

- ✓ Blue plastic grid, with raised grid lines and printed in black
- ✓ High-contrast labels, with braille embossed in the upper left corner and an upper right corner cut for orientation
- ✓ Yellow plastic labels for the year, month, and days of the week and white plastic labels containing numerals 1-31
- ✓ Two sets of days of the week labels (one has full spellings and the other is abbreviated)



- ✓ Brightly colored and embossed holiday and weather symbols

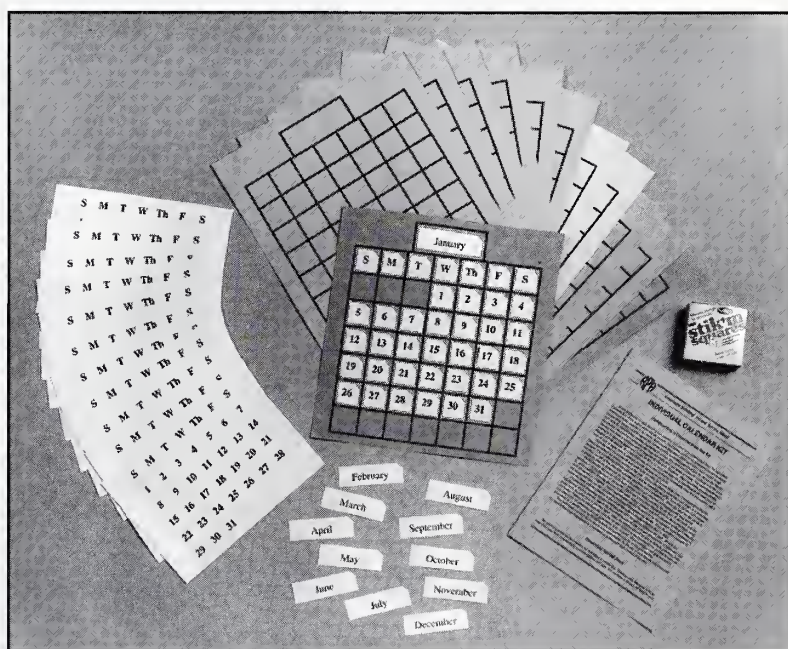
Recommended ages: 4 to 10 years.

1-18970-00.....\$51.95

Individual Calendar Kit

Students can experience the fun and challenge of creating paper calendars with this kit. Individual Calendar Kit includes:

- ✓ Twelve brightly colored embossed/bold line grid sheets, one for each month
- ✓ White paper labels showing the month, days of the week, and days of the month
- ✓ Labels marked in both large type and braille, with the top right corner cut for ease of orientation
- ✓ Consumable: Calendars can be taken home or can be saved in a notebook as a reference



Recommended ages: 4 to 10 years.

1-18971-00.....\$17.90

CARL ET AL

The Accessible Materials *Database for the 21st Century!*

CARL ET AL is a unique on-line database that lists materials in media accessible to people who are visually impaired. These materials are created by hundreds of agencies across North America (volunteer, government, non-profit, and commercial). The CARL ET AL database provides one quick, complete, centralized method of locating these accessible materials.

Over 120,000 Records—Database Updated Daily: Listings in CARL ET AL include braille books, large type books and pamphlets, music scores, electronic books, sound recordings, software programs, and tactile graphics. Many fields of study are covered by these materials, including:

- ~ Textbooks and other educational materials
- ~ Braille teaching materials
- ~ Recreational reading for children, youth, *and adults*
- ~ Music
- ~ Computer instruction
- ~ Much more!

*For more information, please contact the
APH Resource Services Department at
1-800-223-1839.*



Wide selection of writing products includes: longhand writing instruction, braille slates, braille paper, paper for low vision use, and notebooks.

Make manuscript and cursive handwriting instruction easier with these special teaching tools.

Freund Longhand Writing Kit

Helps students learn longhand (cursive) writing. It includes an embossed workbook for practicing the cursive alphabet, a Tactile Marking Mat (also available separately, see separate description), a pad of 100 sheets of embossed paper (lines one inch apart) for use with the Tactile Marking Mat, and a detailed teaching manual in both regular type and braille. Recommended ages: 8 years and older.

1-03330-00.....\$39.50

Items available separately:

Teacher's Manuals:

Braille 5-73970-00.....\$9.45

Print 7-73970-00.....\$2.80

Longhand Writing Paper (100 sheet pads):

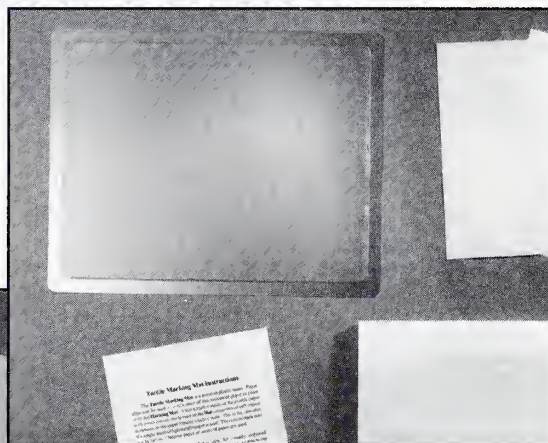
Embossed 1-03340-00.....\$12.45

Plain 1-03270-00.....\$5.15

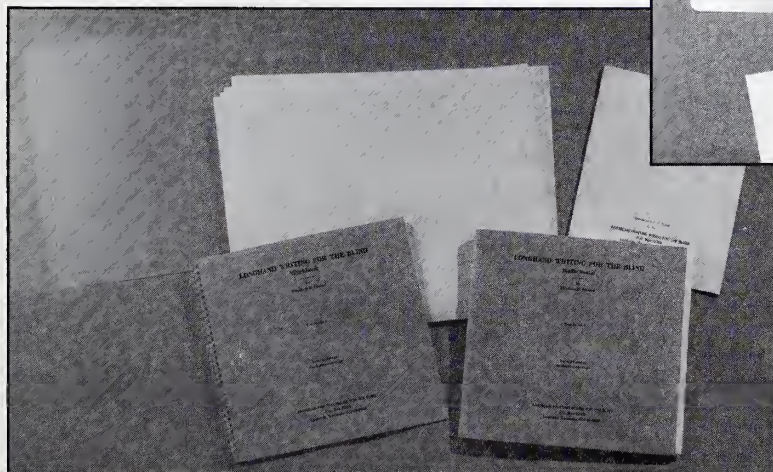
Tactile Marking Mat

A 17 x 13 1/2 inch textured plastic sheet to be used in conjunction with soft paper for freehand writing. Paper clips can be used to hold a sheet of Freund Longhand Writing Paper or a sheet of thin newsprint on the mat. Mat's texture causes wax crayon marks to be tactile, making it ideal for marking, drawing, practicing handwriting, and creating geometric shapes or simple diagrams. Comes with 100 sheets of embossed paper, and instructions in print and braille. Recommended ages: 3 years and up.

1-03331-00.....\$18.90



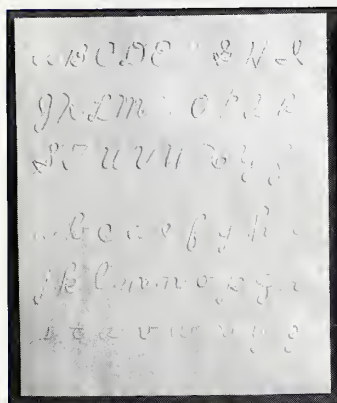
Tactile Marking Mat can be ordered separately; it comes with a pad of embossed paper and instructions.



The Freund Longhand Writing Kit teaches cursive writing skills.

Script Letter Sheet and Board

Students can explore and trace upper and lower case letters, about 3/4 inch high, with these two related products, sold separately. Recommended ages for the sheet and board: 10 years and older.



Script Letter Sheet:

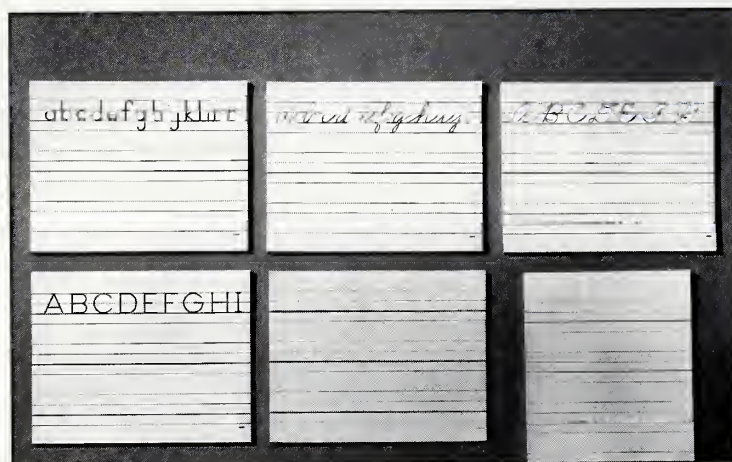
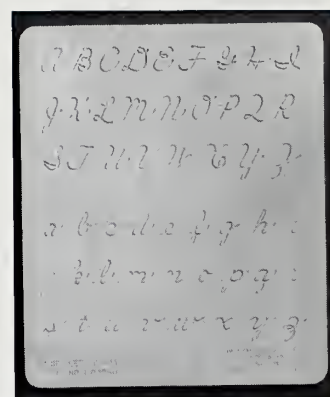
Sheet presents a tactile version of script (cursive) letters. Set of letters is embossed on a sheet of white braille paper measuring 9 1/2 x 11 1/4 inches. Sold in packs of 100 sheets.

1-04041-00.....\$7.00

Script Letter Board:

Use a pencil or pen to trace the incised script (cursive) letters in this white plastic board, which measures 9 5/8 x 11 1/4 x 1/8 inches. Rubber pads on the back help to keep the board from slipping.

1-04060-00.....\$8.25



Embossed Pencil-Writing Paper



Paper provides heavy raised lines to guide blind and visually impaired students and adults in handwriting. Up to 22 lines can be written on each sheet. Paper measures 8 3/4 x 10 1/2 inches and comes in pads of approximately 165 sheets.

1-04560-00\$13.90

Beginner's Writing Paper

Special paper allows students to learn and practice manuscript and cursive writing. Top row of each sheet is printed with a sample alphabet, followed by bold lines for writing practice. Beginner's Writing Paper is a white stock measuring 11 x 8 1/2 inches printed with black ink and is padded. Plain Beginner's Writing Paper (without the alphabet) is available in two line sizes, 8 1/2 inch and 11 inch. Recommended ages: 5 years and older.

Beginner's Writing Paper:

Padded, 100 sheets:

Upper Case Cursive 1-04890-00.....\$7.95

Lower Case Cursive 1-04900-00.....\$7.95

Upper Case Manuscript 1-04910-00.....\$6.30

Lower Case Manuscript 1-04920-00.....\$6.30

Plain Beginners Handwriting Paper (approximately 500 sheets per package):

11 Inch Lines 1-04741-00.....\$35.50

8 1/2 Inch Lines 1-04731-00.....\$22.25

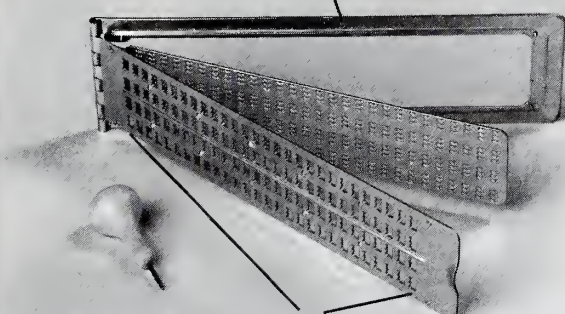
APH offers a wide variety of slates and other unique devices for writing braille and print.

Slates, Styluses, and Erasers

Note: All slates include a Large-Handled Stylus. See next page for complete listing and prices.

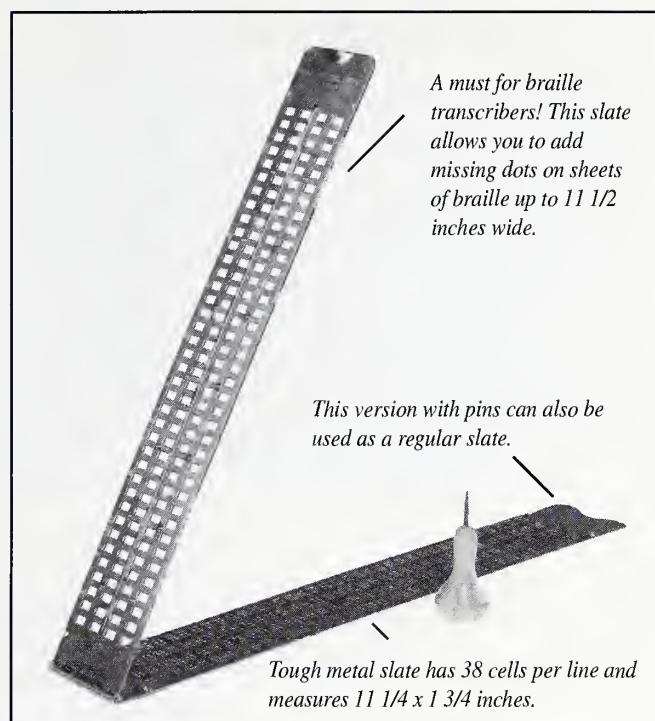
Brown Slate and Stylus 1-00170-00

The back of this slate can be opened to allow for reading the braille without having to remove the paper from the frame.



This lightweight metal slate has 28 cells per line and measures 8 3/8 x 2 1/4 inches.

Pins Up Correcting Slate 1-00190-00



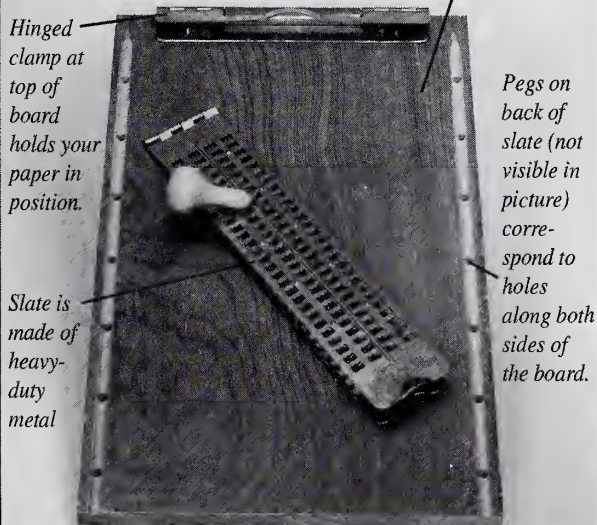
A must for braille transcribers! This slate allows you to add missing dots on sheets of braille up to 11 1/2 inches wide.

This version with pins can also be used as a regular slate.

Tough metal slate has 38 cells per line and measures 11 1/4 x 1 3/4 inches.

27 Cell Desk Slate 1-00060-00

The wood board gives you a stiff, flat writing surface.

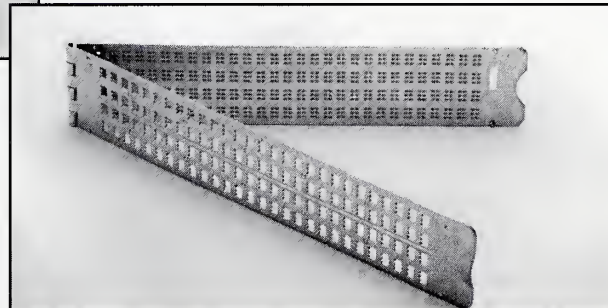


Hinged clamp at top of board holds your paper in position.

Slate is made of heavy-duty metal

Pegs on back of slate (not visible in picture) correspond to holes along both sides of the board.

After completing four lines of writing, you open the slate and move it down the board into the next set of holes, and continue writing up to 28 lines!



**Interpoint
Pocket
Slate**

Interpoint Pocket Slate 1-00081-01

This slate lets you write on both sides of the paper. When the hinged plates are closed on a sheet of paper, four pins punch up through the sheet to hold it in place. Two holes are located in the upper left and right corners of the top plate—punch downward with a stylus through these holes to create registration holes in the paper. When you are done writing on the front, turn the sheet over and align it using the registration holes. Registration holes are offset to ensure that embossing on the back does not interfere with the braille on the front.

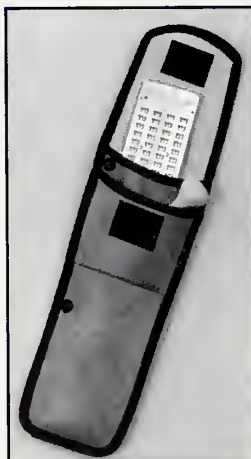
Slates, Styluses, and Erasers Chart (One large-handle stylus is included with each slate)

	<u>Description</u>	<u>Size in Inches</u>	<u>Catalog No.</u>	<u>Price</u>
Slates:				
Desk Slate, 41 Cell	Heavyweight Metal	10 1/4 x 12 1/4	1-00030-00	\$56.65
27 Cell	Heavyweight Metal	7 x 12 1/4	1-00060-00	\$55.00
Brown Slate	28 Cell, Lightweight Metal	8 3/8 x 2 1/4	1-00170-00	\$35.30
Correcting Slate, No Pins	38 Cell, Heavyweight Metal	11 1/4 x 1 3/4	1-00130-00	\$16.60
Pins Up	38 Cell, Heavyweight Metal	11 1/4 x 1 3/4	1-00190-00	\$25.35
Pocket Slate, Interpoint	28 Cell, Lightweight Metal	8 1/4 x 1 3/4	1-00081-01	\$17.35
	Slotted for Labeling Tape			
Pins Down	28 Cell, Lightweight Metal	8 1/4 x 1 3/4	1-00090-00	\$14.50
Pins Up	28 Cell, Plastic	8 1/4 x 1 3/4	1-00080-00	\$6.30
Pins Up	28 Cell, Heavyweight Metal	8 1/4 x 1 3/4	1-00160-00	\$20.60
	Slotted for Labeling Tape			
Postcard Slate, Interpoint	19 Cell, Lightweight Metal	6 x 1 3/4	1-00110-00	\$14.50
Pins Up	19 Cell, Lightweight Metal	6 x 1 3/4	1-00180-00	\$14.50
Styluses (all have a metal point):				
Large Handle	Wooden, Side of Handle is Flat	2 3/8 x 7/8	1-00200-00	\$2.50
Small Handle	Wooden	1 7/8 x 3/4	1-00220-00	\$2.50
Saddle-Shaped	Plastic, Concave "Dip" in Handle	2 5/8 x 1 1/4	1-00120-00	\$2.50
Braille Erasers:				
Wooden	2 1/2 long	1-00270-00	\$2.50
Plastic	5 long	1-00280-00	\$2.50



SlateMate

Do you have too much gear and too few hands? This rugged vinyl carrying case will hold any APH Pocket or Postcard Slate. A second pocket holds two styluses or erasers. Flap seals with hook/loop material. Features a belt loop, and holes to fit a 3-ring binder. Measures approximately 3 1/2 x 9 inches when closed. **Note:** Slates and styluses are sold separately.



1-00082-00.....\$1.65



Saddle-Shaped Stylus

Designed to provide a more comfortable grip. Your index finger rests in a concave "dip" in the top of the handle. Plastic-handled stylus with a metal point. Measures 2 5/8 x 1 1/4 inches.



1-00120-00.....\$2.50

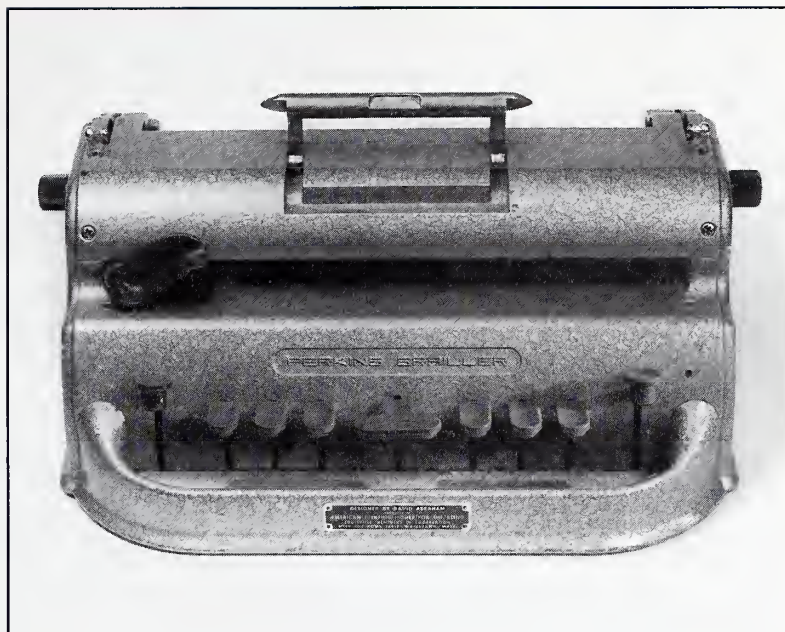
Other Equipment

Perkins Brailier

Classic machine is a precision-made, all-purpose brailier which will accommodate paper up to 11 1/2 x 14 inches. Capable of embossing 25 lines of 41 cells on 11 1/2 x 11 inch braille paper. Framework is made of aluminum with a baked enamel finish, while keys, knobs, and carriage are made of high-impact plastic.

1-00850-00.....\$863.20

Note: The Perkins Brailier is available from APH using Federal Quota funds only. If you are an individual interested in purchasing this brailier, please contact: Howe Press / 175 N. Beacon St. / Watertown, MA 02172 / (617) 924-3434.



Individuals can obtain Perkins Brailiers from Howe Press in Massachusetts.



APH Signature Guide

Aluminum frame measuring 4 1/2 x 2 1/4 inches with rubber backing to prevent slipping. Aids people who are visually impaired in writing their signatures. Frame has a rectangular opening with an elastic band; the band provides a guide for writing and flexes to allow for the descenders of letters. Recommended ages: 8 years and older.

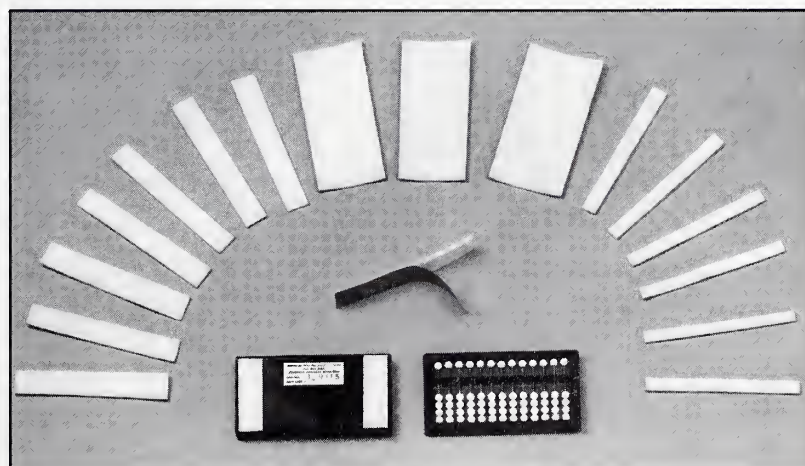
1-03530-00.....\$5.15

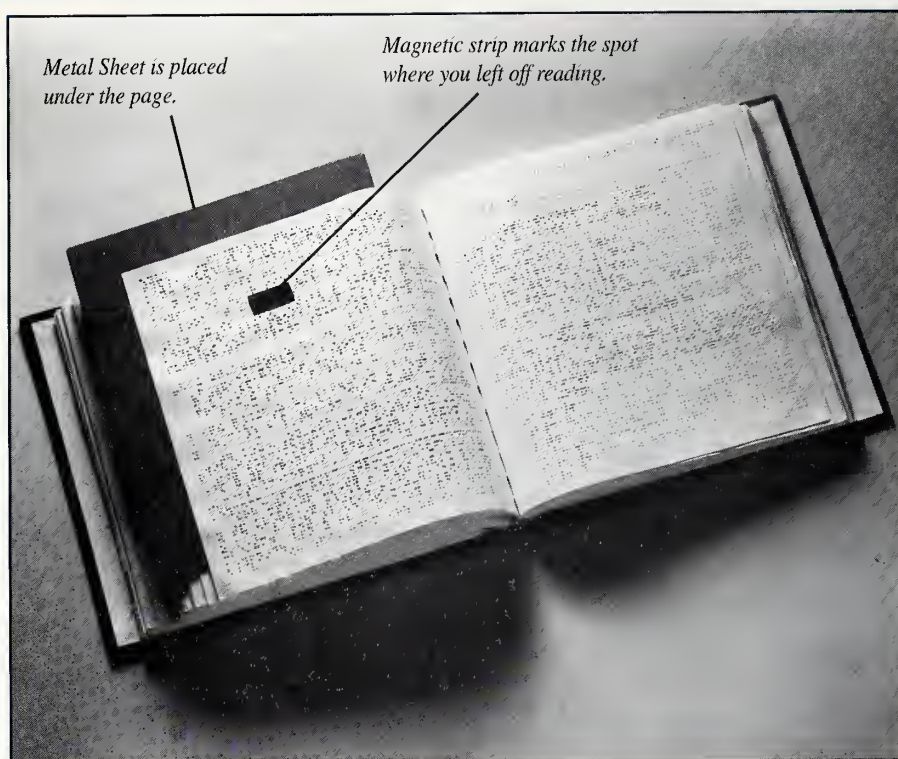
APH Friction Pad Kit

Three assorted sizes of self-adhesive, plastic foam strips. Strips are designed for easy application to the bottom of devices such as abacuses or desk slates, which tend to slip while in use. Strips also reduce noise and prevent the marring of surfaces.

1-03190-00.....\$9.45

**Abacus sold separately—see
Mathematics.**





Stokes Braille Place Holder

Simple device marks the spot where you stop reading on a braille page. Consists of a sheet of brightly-painted metal measuring 11 x 9 1/2 inches and a strip of magnetic plastic. Metal sheet slips under the braille page and the magnetic strip is placed at the last line read.

1-03590-00.....\$10.35

Other writing equipment in this catalog:

- The Impressor Braille Business Card Embosser—see Business Products

APH Has Another Catalog!

Do you need textbooks and other materials in special media?

Ask for the APH Accessible Books Catalog!

*This catalog lists thousands of titles available from APH
in a variety of special media.*

Call 1-800-223-1839 for your free copy!

Braille Paper

APH offers a wide array of braille paper for use with slates, braillewriters, computer braille embossers, and vacuum-form machines. We carry four types of paper in a variety of sizes; some are punched for use with braille binders.

Note: all sheet quantities are approximate; all sizes are in inches.

Brown Glaze Paper

Heavyweight paper is for use with braille slates and brailers.

3 3/4 x 5 3/4	6-Hole Punch, 250 sheets	Fits in Pocket Notebook	1-04391-00	\$9.30
8 1/2 x 11	Unpunched, 200 sheets	All 28-Cell Slates, except interpoint	1-04150-00	\$6.20
	3-Hole Punch, 150 sheets		1-04400-00	\$6.20
11 1/2 x 11	Unpunched, 150 sheets	37-Cell Slate, or Brailier	1-04220-00	\$6.20
	3-Hole Punch, 110 sheets		1-04470-00	\$6.20

Manila Braille Transcribing Paper

Heavyweight paper, for use with slates and braillewriters, holds dots well and can be used to create braille masters for vacuum-form machines.

8 1/2 x 11	Unpunched, 500 sheets	1-04530-00	\$14.50
	3-Hole Punch, 500 sheets	1-04660-00	\$21.40
11 1/2 x 11	Unpunched, 450 sheets	1-04540-00	\$20.70
	3-Hole Punch, 450 sheets	1-04680-00	\$26.10
	19-Hole Punch, 450 sheets	1-04650-00	\$37.50

Brailon® Plastic Paper

Special plastic paper is primarily for use with vacuum-form machines, but can also be used in a brailier. It is durable, holds impressions well, and resists liquids. *NOT AVAILABLE ON QUOTA.*

8 1/2 x 11	Unpunched, 500 sheets	1-04670-01	\$63.65
11 1/2 x 11	3-Hole Punch, 500 sheets	1-04690-00	\$67.55
	19-Hole Punch, 500 sheets	1-04630-00	\$67.55

White Fanfold Tractor-Feed Transcribing Paper

For use with computer-driven braille embossing devices. It has a smooth surface. Tractor-feed holes may be torn off. Sold in two weights: 80 pound and 100 pound. *NOT AVAILABLE ON QUOTA.*

11 1/2 x 11	Unpunched, 80 #, 1000 sheets	1-04142-00	\$44.50
	Unpunched, 100 #, 1000 sheets	1-04139-00	\$44.50
	19-Hole Punch, 80 #, 1000 sheets	1-04141-00	\$44.50
	19-Hole Punch, 100 #, 1000 sheets	1-04140-00	\$41.50

Writing Instruction, Equipment, and Supplies:

Supplies: Braille Notebooks and Binders

Braille Notebooks and Binders:

Pocket-Size Notebook, 6-Ring

Tough, water-resistant, 6-ring notebook is bound in imitation leather and will hold approximately 50 sheets of 3 3/4 x 5 3/4 inch braille paper (paper not included). Has a pocket designed to hold a Postcard Slate and a cloth page marking strip. Stylus can be tied to the end of the cloth strip.

1-04280-00.....\$5.15

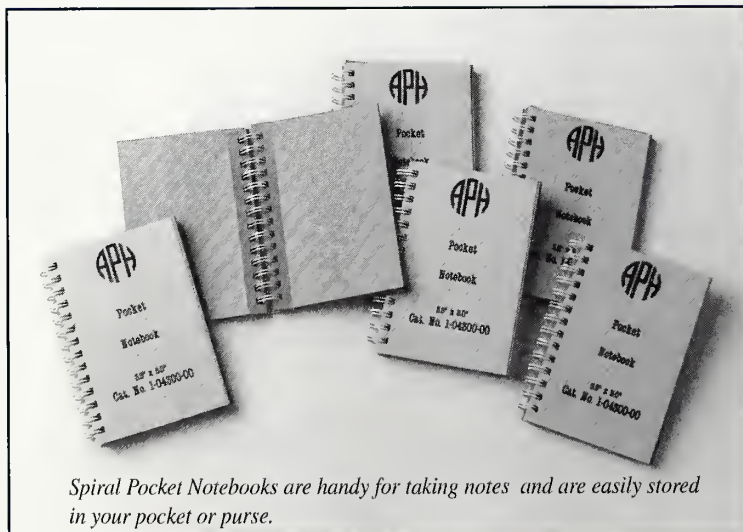
Filler paper for Pocket Notebook (250 sheets):

1-04391-00.....\$9.30



*Organize your paperwork
with the assortment of
braille notebooks and
binders from APH!*

**Do you have trouble finding your
slate when you need to take notes?
The Pocket Notebook has a convenient
slot for your slate.**

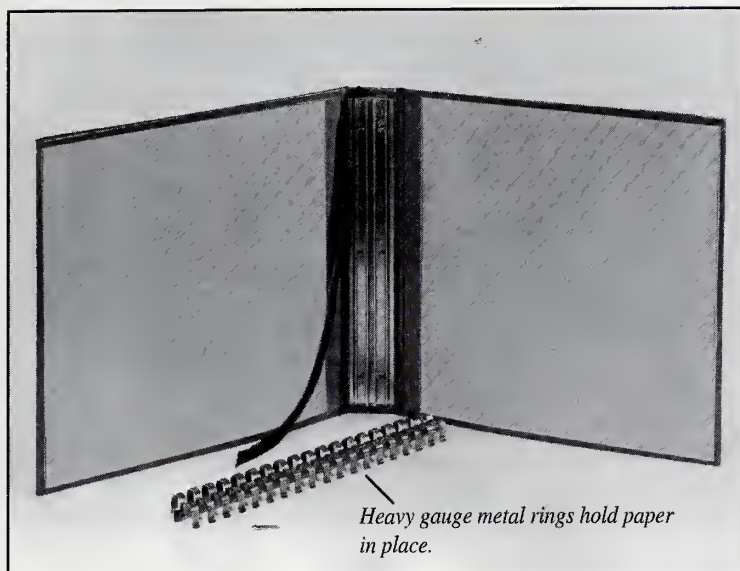


Spiral Pocket Notebooks are handy for taking notes and are easily stored in your pocket or purse.

Spiral Pocket Notebook

For jotting quick notes with a slate and stylus, nothing is handier than APH's Spiral Pocket Notebook. Each spiral-bound notebook contains 50 pages of 80 pound brown kraft braille paper. Spiral binding makes it easy to manipulate. Notebook measures 3 1/2 x 5 inches. Sheets are perforated and measure 3 x 5 inches when removed from the notebook. Sold in packages of six.

1-04300-00.....\$9.55



Krebs' Binders, 19-Ring

These 19-ring binders come in three sheet capacities and are made of heavy-duty board and covered with water-resistant imitation leather. All three binders measure 12 x 11 1/2 inches and will hold 11 1/2 x 11 inch 19-hole punched braille paper. 19-ring binder assembly consists of a metal back plate, heavy-gauge metal rings, and a locking pin. Locking pins sold separately.

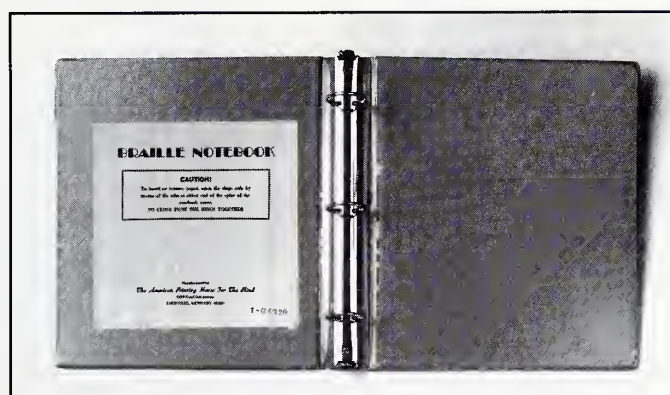
Krebs Binders: 19-Ring

Capacity—60 sheets 1-04240-00.....\$8.40

Capacity—80 sheets 1-04250-00.....\$9.30

Capacity—105 sheets 1-04260-00....\$10.35

Locking Pin (pack of 120) 1-04271-00.....\$6.25



Loose-Leaf Binder, 19-Ring

19-ring binder with a plastic cover, designed to hold 11 1/2 x 11 inch 19-hole punched braille paper. Holds approximately 50 sheets.

1-04290-00.....\$9.30



Braille Notebooks, 3-Ring

3-ring notebooks come in two popular sizes and are made of durable, heavy-duty board and covered with waterproof vinyl. Each binder will hold approximately 100 sheets of braille paper.

Azure Blue, for 8 1/2 x 11 or 9 x 12 inch

braille paper 1-04320-00.....\$6.00

AZURE BLUE NOTEBOOK NOT AVAILABLE ON QUOTA

Green, for 11 1/2 x 11 inch braille paper

1-04380-00.....\$8.65

Other notebook and binder products appearing in this catalog:

- Turquoise 3-Ring Notebook for 11 x 11 inch paper—see Sale Section

Writing Instruction, Equipment, and Supplies:

Supplies: Bold Print Paper

Bold Print Paper

APH offers a varied selection of paper for low vision use. Whether you are writing to a friend, taking class notes, or photocopying material for large print reading, we have what you need!

Note: all sheet quantities are approximate; all sizes are in inches.

Bold Line Letter-Writing Paper

Bold, black lines printed on white paper without margin. Padded—500 sheets per pad.

8 1/2 x 11	7/16" line spacing, Unpunched	1-04811-00	\$17.25
	9/16" line spacing, Unpunched.....	1-04821-00	\$17.25

Bold Line Notebook Paper

Bold, black lines printed on white paper with a left-hand margin. Two styles: in a pad with no punching or in loose sheets punched for a 3-ring binder.

Padded:

8 1/2 x 11	7/16" line spacing, Unpunched, 500 sheets	1-04791-00	\$17.25
	9/16" line spacing, Unpunched, 500 sheets	1-04801-00	\$17.25

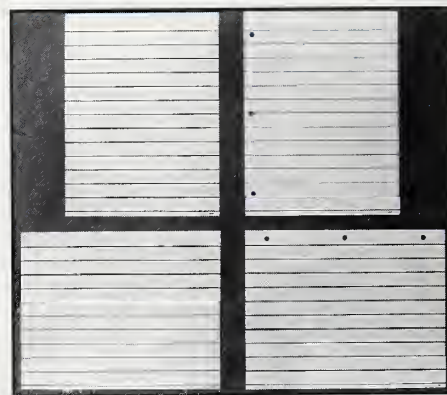
Loose Sheets:

8 1/2 x 11	7/16" line spacing, 3-hole Punch, 500 sheets	1-04851-00	\$18.80
	9/16" line spacing, 3-hole Punch, 500 sheets	1-04861-00	\$17.25

Green-Lined Writing Paper for Primary Students

Off-white paper printed with bold green lines. 300 sheets per package.

8 1/2 x 11	3/4" lines, Unpunched	1-04831-00	\$21.20
	3/4" lines, 3-Hole Punch	1-04869-00	\$21.20
	7/16" lines, 3-Hole Punch	1-04872-00	\$21.20
11 x 8 1/2	3/4" lines, Unpunched	1-04841-00	\$21.20
	3/4" lines, 3-Hole Punch.....	1-04881-00	\$21.20



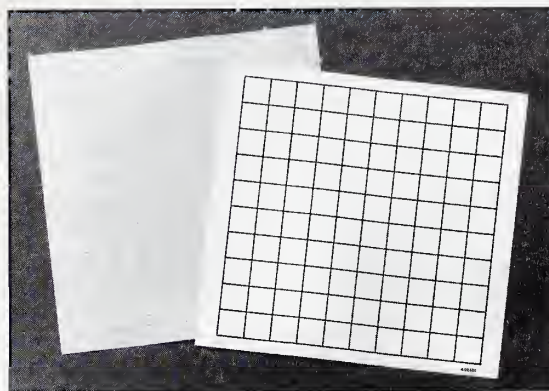
Antique Ivory Opaque Paper for Large Type

Ivory colored, unlined paper for good contrast and low eye strain—great for photocopying large type documents.

8 1/2 x 11	500 sheets	1-04500-01	\$28.60
11 x 14	500 sheets	1-04500-05	\$28.60
11 x 17	500 sheets	1-04500-00	\$31.60

Graph Sheets and Progress Charts

Grid patterns for low vision or blind users. Bold-line sheets have thick unit line (3/100" wide) and sub-unit lines half as wide. *Bold-line graph sheets are sold 100 sheets per package.* Embossed sheets have solid line coordinate axes and braille dot grids on manila paper. *Embossed graph sheets and progress charts are sold 50 sheets per package.*



<u>Squares</u>	<u>Grid</u>	<u>Details</u>	<u>Bold-Line</u>	<u>Embossed</u>
8 1/2 x 11:				
1/4"	31 x 40		1-04062-00...\$5.25	Not Available (NA)
1/2"	15 x 20	Coordinate Axes ..	1-04061-00...\$5.25	1-04052-00...\$5.95
1/2"	15 x 20	For Bar Graphs ...	1-04063-00...\$5.25	1-04053-00...\$5.95
3/4"	10 x 13		1-04064-00...\$5.25	1-04054-00...\$5.95
1"	7 x 10		1-04065-00...\$5.25	1-04055-00...\$5.95
11 1/2 x 11:				
1/2"	19 x 20		1-04067-00...\$5.25	1-04056-00...\$7.95
1/2"	18 x 21	1" margin on 3 sides	NA	1-04059-00...\$6.60
3/4"	13 x 13		NA	1-04057-00...\$5.95
1"	10 x 10		1-04069-00...\$5.25	1-04058-00...\$5.25
Progress Charts (vertical axis = % of correct answers, horizontal axis =exercises 1-15):				
Braille	16 x 15	11 1/2" x 11"	NA	1-04050-00...\$4.10
Large Type	16 x 15	8 1/2" x 11"	1-04073-00...\$3.25	NA



Low-Relief Embossed Graph Sheets

Suitable for teachers and transcribers to use for making charts and graphs that require a grid. Grid is embossed on 80 pound braille paper, measures 11 1/2 x 11 inches with margins and comes in three varieties. 25 per package.

<u>Squares</u>	<u>Grid</u>	
1/2"	19 x 19	1-04047-00 \$4.50
5/8"	15 x 15	1-04048-00 \$4.50
3/4"	13 x 13	1-04049-00 \$4.50



Other products related to writing supplies in this catalog:

- Beginner's Writing Paper and Embossed Pencil Writing Paper—see Writing Instruction.

Learn the pleasant way with videotapes from APH!

APH offers a variety of topics on video, including literacy, early childhood, functional vision, and much more!



Discovering the Magic of Reading: "Elizabeth's Story"

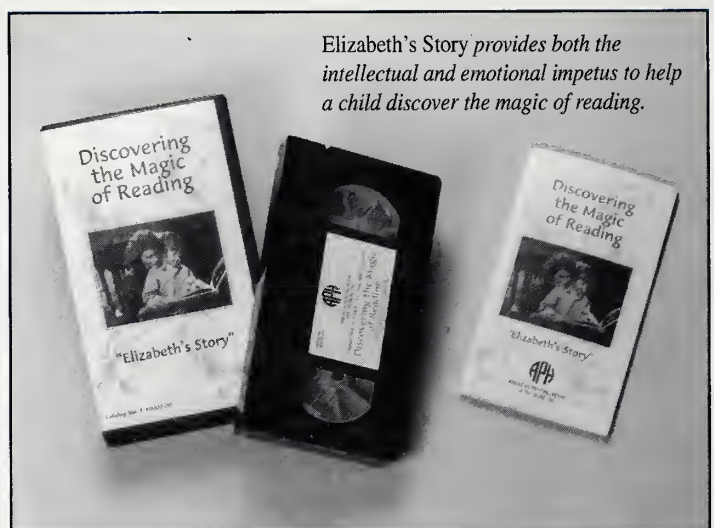
This video/brochure package explores ways that parents and teachers of children with visual impairment can make reading aloud an enjoyable learning experience. The 24-minute videotape and accompanying brochure provide a compelling account of the value of reading to young visually impaired children. Recommended ages: For parents and teachers of children ages birth to 5 years.

VHS videotape and brochure:

1-30002-00.....\$24.95

Brochures only (pack of ten):

7-30002-00.....\$10.00



Elizabeth's Story provides both the intellectual and emotional impetus to help a child discover the magic of reading.



The Psychoeducational Assessment of Visually Impaired Persons

26 minute video and accompanying brochure are targeted toward teachers and school psychologists

who have not had experience with people who are visually impaired. Dr. Sharon Bradley-Johnson presents the procedures and benefits of psychoeducational assessments.

Results from a comprehensive psychoeducational assessment can be very valuable for programming and enhancing a student's educational progress; however, the administrator of the test must first understand the type of information that various tests and procedures provide, and the limitations of that information.

VHS videotape and brochure:

1-30003-00.....\$24.95

Brochures only (covering major aspects presented in the video, pack of ten):

7-30003-00.....\$17.30



Wings for the Future

16-minute video guides you on a mini-tour of APH. It gives a preview of the APH museum, explains the research and development process behind our products, and provides a glimpse of manufacturing sites visited on an actual tour. ABC's Diane Sawyer introduces the video and concludes the presentation.

Contact the APH Public Relations Department, ext. 339, to obtain a copy of this video.

***Opening Doors Through An Act to Promote the Education of the Blind***

This 20 minute video presents an overview of the 1879 Act to Promote the Education of the Blind and its provision of specially designed educational materials to students of all ages who are blind and visually impaired. With students as the focus, this presentation concentrates on the Federal Quota Program, the annual census of blind students, and the role of Ex Officio Trustees in the administration of the Act.

For more information, call the APH Department of Educational and Advisory Services, ext. 323.

COMING SOON!—Functional Vision: A Bridge to Learning and Living

Contains two new presentations about the effective use of vision in persons with low vision, ranging from preschoolers to elders. *Part One—Assessment* deals with the functional vision assessment process. It outlines the components in an assessment, summarizes best practices, and presents segments of actual assessments.

The second video, *Part Two—Intervention* addresses the process of translating assessment results into educational programming and intervention strategies that improve the use of one's remaining vision. It illustrates instructional approaches and educational considerations, as well as adaptations and modifications.

Call the APH Department of Educational and Advisory Services, ext. 323, for more information.

Other videotapes in this catalog:

- *NOMAD Workshop Video*—see Sale Section
- *Playing the Crucial Role in Your Child's Development*—see Educational Products: Early Childhood and Multihandicapped Products
- *Custom Materials from APH*—see Business Products

We Offer a Very Special Database!

Do you need textbooks and other materials in special media offered by APH and by other sources?

Subscribe to the CARL ET AL Database!

This on-line catalog lists over 120,000 titles from across North America in a variety of accessible media.

Call 1-800-223-1839 for more information!

Better serve your visually impaired customers and clients.

These products can help you implement the Americans with Disabilities Act (ADA).



The Impressor: Braille Business Card Embosser

Create your own braille business cards with The Impressor from APH!

This is a sturdy, all-metal device that is similar to the stamp used by notary publics. The die which embosses braille on your card is custom-made to your specifications and with the exact information you wish to give to your clients.

The Impressor combines the following features in a rugged hand-held embosser:

- Easy to use: simply insert a standard 3 1/2 x 2 inch business card into the embosser. Squeeze—and your card is brailled instantly
- Quality metal construction
- Includes an attractive acrylic base for one-hand operation
- Emboss up to 4 lines, 13 braille cells per line
- Custom-made to your specifications
- Measures 3 1/2 x 4 1/2 x 3 3/4 inches

To Order

Call us at 800-572-0844—one phone call is all it takes. Then simply mail us a copy of your business card. We will call you to confirm your information as it appears in braille.

1-03380-00.....\$82.75

NOT AVAILABLE ON QUOTA



Revising Your Impressor

Should the information on your business card change, we can easily revise your Impressor. Call us at 800-572-0844 for more information.

1-03380-01.....\$48.25

NOT AVAILABLE ON QUOTA

It Makes Good Business Sense and It's the Law: Custom Production of Accessible Media

The Americans with Disabilities Act of 1990 (ADA) is a landmark piece of legislation that has been called "The Civil Rights Act for the Disabled." ADA mandates a wide range of accommodations in areas such as employment, public services, transportation, public facilities, and telecommunications. APH has many products and services that can help you implement the ADA, which, in turn, will aid your visually impaired employees or clients on their road to independence.

The types of items often requested by businesses, government agencies, or other organizations include:

- Employee handbooks
- Safety information
- Technical manuals
- Annual reports
- Company newsletters
- Journals and magazines

Braille

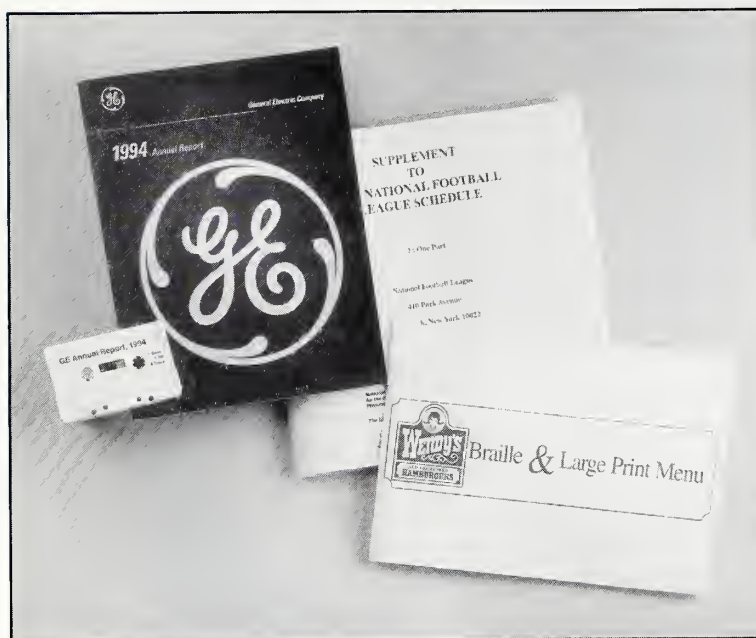
APH can translate most types of publications from print to braille utilizing a combination of a highly knowledgeable staff and state of the art computer software. This includes technical publications as well as materials of more general nature. We offer the most accurate, high-quality braille available today, as well as a variety of binding options.

Large Type

Many people who are visually impaired can utilize large type materials (which have a type size of approximately 18 point). APH can take your regular print materials and enlarge them so that they will be useful to low-vision readers. We offer a special high-contrast, nonglare paper and a variety of binding options.

Cassette Tape

Our extensive recording studios and mastering facilities can help you create cassette tape versions of your materials. We employ professional narrators who are experts at the spoken interpretation of printed material. Recordings can be indexed by either tone or voice. APH offers special half-speed recording (15/16 inches per second on four tracks) or standard-speed recording (1 7/8 inches per second on two tracks). Labels which are made of durable plastic and marked with print and braille are applied to the finished cassettes.



APH offers custom production of informational materials in four formats for the visually impaired:

- Braille
- Large Type
- Cassette Tape
- Computer Disk

Computer Disk

Materials on computer floppy disks can be accessed by visually impaired users in a variety of ways, such as synthetic speech, large print on the screen, or refreshable braille. APH offers production of 3 1/2 inch or 5 1/4 inch computer disks in any major format, including *Windows*®, *MS-DOS*®, *Macintosh*®, and *Apple*® II. The disks have print and braille labeling.

Mailing

APH provides complete fulfillment (mailing) services using your mailing lists. We handle all the details!

CARL ET AL Database—Locate Existing Materials in Accessible Media

Thousands of volunteers working for nonprofit agencies, commercial companies, and government entities across North America strive to make materials available to visually impaired people in large type, braille, recorded, computer disk, and tactile graphic form.

To help locate particular titles, APH offers CARL ET AL, an on-line database. CARL ET AL includes listings from APH and from over 200 volunteer and commercial agencies across North America. Agencies list completed works and works that are in process. Approximately 120,000 titles are now listed, with more added every day! *Listings now include books for adults as well as students.*

For more information about CARL ET AL, call 1-800-223-1839 and ask for Resource Services.



APH Products Useful for ADA Implementation

Our Catalog has many products that can help you implement the ADA. Here is a partial listing:

- ADA law in accessible versions: See this section
- APH Signature Guide: See Writing Instruction, Equipment, Other
- Big Picture: See Low Vision
- Braille 'n Speak®: See Educational Products, Computer Products
- Braille Slates: See Writing Instruction, Equipment
- Cassette Tape Recorders: See Cassette Recorders and Accessories
- *Concise Heritage Dictionary*®, *Recorded Edition*: See Educational Products, Recorded Materials
- Containers for Cassette Tapes, See Cassette Recorders and Accessories
- The Impressor: See this section
- Letter Folding Jig: See Educational Products, Prevocational Products
- NOMAD Talking Touch Pad: See Sale section
- Paper, Binders, and Notebooks: See Writing Instruction, Supplies
- Rulers: See Educational Products, Measuring Tools
- Tactile Graphics Starter Kit: See Literacy, Braille, Instruction, Tactile Graphics Tools
- Talking Software for IBM® and Apple® II Family Computers: See Sale section and Educational Products, Computer Products

APH Products and Services

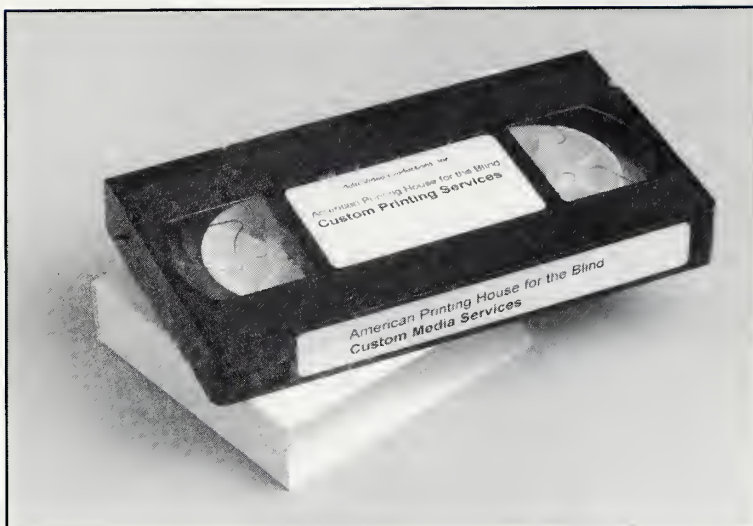
Call APH at 1-800-572-0844 for more information about how we can help you, your employees, customers, and clients who are visually impaired.



Custom Media Video

Tour APH and see how we can help you create accessible versions of informational items provided by your organization. Examples of custom products made by APH include braille and large type brochures, braille business cards, recorded annual reports, braille menus, and much, much more. This informative 10-minute videotape showcases APH's recording studios, large type services, and braille production capabilities. The *Custom Media Video* is especially useful to organizations, schools, and businesses interested in high quality, low cost accessible media.

Contact APH's Marketing Dept., 800-572-0844 for more information about this video.



InSights Art Calendar 96-97

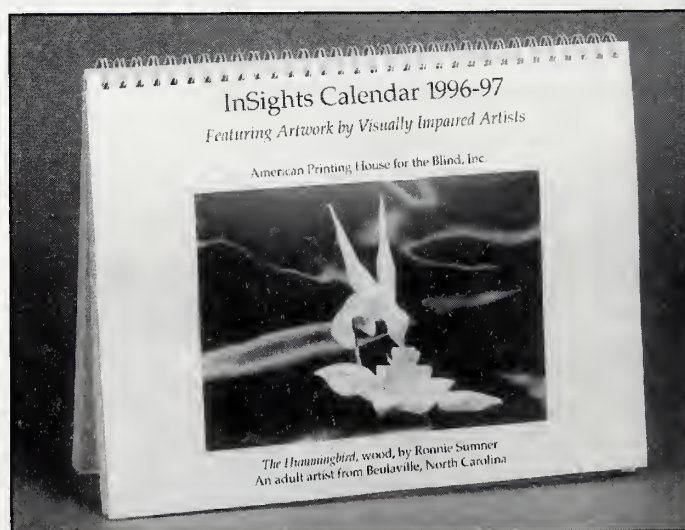
Months, days, holidays, and moon phases can be tracked with this large type/braille calendar that features artwork by visually impaired children and adults. This calendar is designed to help both students and adults keep track of the days of each month. Brightly colored calendar can be used at a desk or hung on a wall and is organized in the following ways:

- All items appear in both braille and large type.
- 16-month calendar (September, 1996—December, 1997).
- Each page contains the information for one month.
- Holidays are listed at the bottom left of each month's page below the day and date section. The holiday list is extensive and includes some Canadian holidays.
- Moon phases (new moon, first quarter, full moon, and last quarter) are listed on the bottom right of each month's page.

- It is ring bound to allow pages to be folded over easily.
- *Can be personalized for your organization's fund raiser!*

Recommended ages: 8 years and up.

5-18971-97.....\$TBA



The Americans with Disabilities Act (ADA) Available in Accessible Versions

Become familiar with what has been referred to as "The Civil Rights Act for the Disabled." The text of Public Law 101-336, Americans with Disabilities Act (ADA) of 1990 is available from APH. It is offered in four formats: braille, cassette tape, flexible record, and large type.

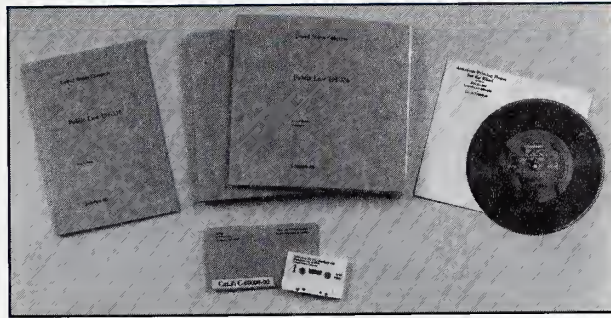
Print impaired individuals may request one free copy of the ADA law in one accessible format, courtesy of the American Printing House for the Blind. Additional copies may be purchased at the prices listed.

ADA Braille: 5-60000-00.....\$19.80

ADA Cassette Tape: C-60000-00.....\$0.75

ADA Flexible Record: F-60000-00.....\$0.65

ADA Large Type: J-60000-00.....\$14.00



*Note: This document (ADA) is also being made available through the regular National Library Services for the Blind and Physically Handicapped (NLS) distribution network.
NOT AVAILABLE ON QUOTA.*

APH Has Another Catalog!

Do you need textbooks and other materials in special media?

Ask for the APH Accessible Books Catalog!

*This catalog lists thousands of titles available from APH
in a variety of special media.*

Call 1-800-223-1839 for your free copy!



What's Mona Smiling About?

Artwork by Visually Impaired Artists!

Many of the “Special Touch” gifts in the following section feature artwork by legally blind artists. These art pieces have been featured in InSights, an annual, international art competition and exhibition designed exclusively for visually impaired and blind artists. The InSights competition is sponsored by APH and accepts entries from artists of all ages and skill levels. For more information on entering work in InSights, please contact the APH Special Projects Coordinator at 1-800-223-1839.

Terrific gift ideas for both visually impaired and sighted folks.

The unique gifts listed in this section are not only enjoyable and fun, but the proceeds from some of the items go towards encouraging artistic creativity among visually impaired people.



One of the many roles of the American Printing House for the Blind is to encourage creativity and learning among people who are visually impaired. To help achieve this goal, APH offers special products featuring artwork created by visually impaired artists of all ages.

Note: When ordering these items, please order by the item name (the gifts do not have APH catalog numbers). These items are not available with Federal Quota funds. Also, unlike our other products, *shipping charges are paid by the customer* for all "Special Touch" items.

Note: Art products are available in limited quantities, so order soon!

Suitable for Framing

Early Braille Delivery Limited Edition Art Print

Rick Moore, a graduate of the Kentucky School for the Blind, is the artist for *Early Braille Delivery*. This art print is a reproduction of a pencil drawing that depicts a horse-drawn wagon leaving APH to deliver braille publications to the post office. APH's original building, a stately Victorian "mansion" erected in 1883, appears in the background. Each print has been signed and numbered by the artist. It measures 14 x 18 1/2 inches and is printed on high-quality, nonacidic paper stock. The signed version has been limited to a run of only 500 copies.

\$20.00

NOT AVAILABLE ON QUOTA.



Special Cards for Special Friends

The Cards at a Glance:

InSights Art Note Cards

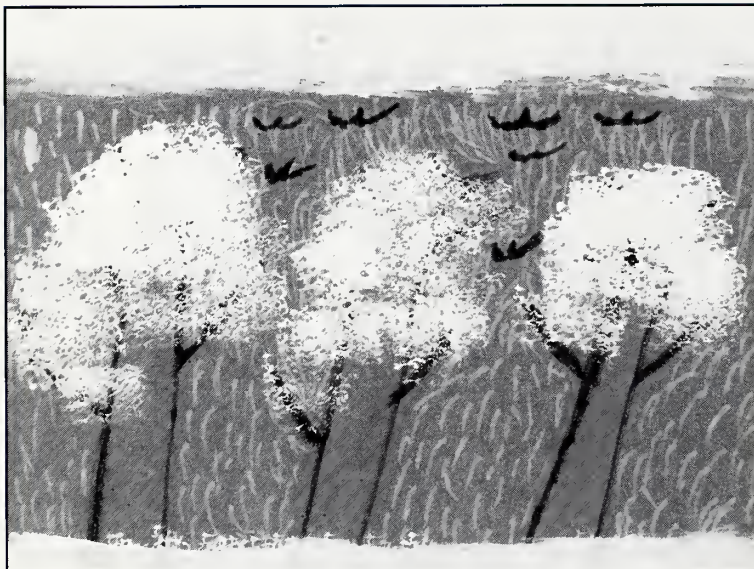
- Cold Winter Forest* (6 cards, one design).....\$5.00
1992, Edition I (10 cards, 5 different designs).....\$6.00
1993, Edition II (5 cards, 5 different designs).....\$3.00
1993, Edition III (5 cards, 5 different designs).....\$3.00
1994, Edition V (10 cards, 5 different designs).....\$6.00

InSights Art Holiday Cards

- 1993, Edition IV (10 cards, one design)\$6.00
1994, Edition VI (10 cards, one design).....\$6.00
1995, Edition VIII (10 cards, one design).....\$6.00

InSights Art Birthday Card

- 1995, Edition VII (5 cards, one design).....\$5.00



Cold Winter Forest Note Cards

Created from the painting *The Cold Winter Forest*, this note card depicts a forest covered in snow, with birds flying overhead. This card features the artwork of Mike Douglas, created while a student attending the Tennessee School for the Blind.

This three panel card contains a print and braille legend describing the artwork. It is sold in packages of six cards with envelopes.

\$5.00

NOT AVAILABLE ON QUOTA

InSights Art Note Cards, Edition I

This set of five different note cards features artwork that appeared in APH's First Annual Art Competition and Exhibition, InSights '92. These cards feature full-color artwork of five students from New York to California and include works from a variety of grade levels. These cards feature:

- A unique three-panel design which contains a print and braille legend describing the artwork
- The braille legend appears on one panel, leaving the other two panels free for writing a message
- Sold in a package of 10 cards (two of each design) with envelopes

\$6.00

NOT AVAILABLE ON QUOTA



InSights Art Note Cards, Editions II and III

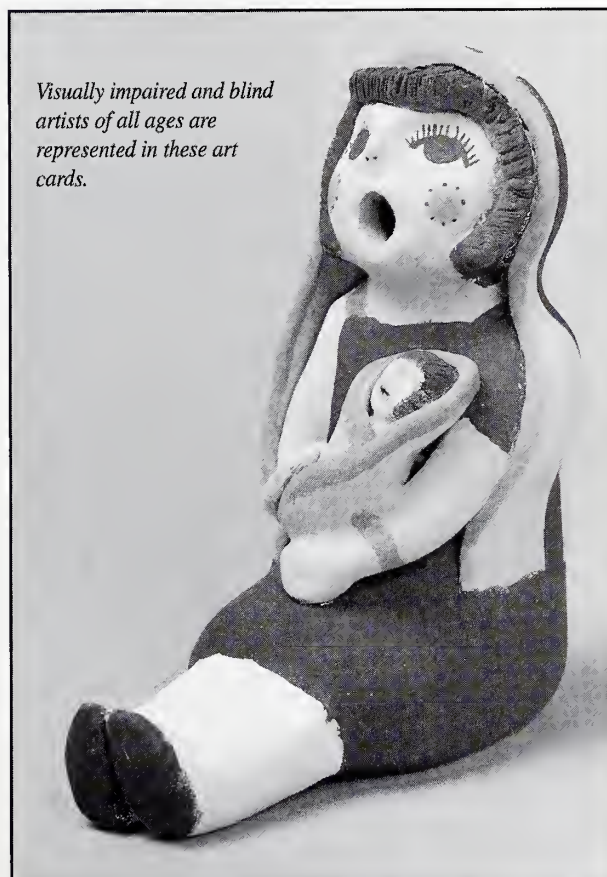
These two sets of note cards feature artwork that appeared in APH's InSights '93 Art Competition. These cards showcase the artwork of 10 students and adults from across the U.S.

- Edition II features color reproductions of two-dimensional artwork from five artists (one copy of each design)
- Edition III depicts color photographs of three-dimensional artwork from five artists (one copy of each design)
- As with Edition I, these cards feature a unique three-panel design which contains a print and braille legend describing the artwork
- Sold in a package of five cards (one of each design) with envelopes

Edition II.....\$3.00

Edition III.....\$3.00

NOT AVAILABLE ON QUOTA



Visually impaired and blind artists of all ages are represented in these art cards.

InSights Art Note Cards, Edition V

Five art pieces from InSights '94 are featured in Edition V. These cards highlight five pieces of artwork created by students and adults from across the U.S.

- This edition features two-dimensional works, including such subjects as tropical birds, flowers, and a horse rider in the desert.
- As with the previous Art Note Cards, these cards feature a unique three-panel design which contains a print and braille legend describing the artwork. The braille legend appears on one panel, leaving the other two panels free for writing a message
- Sold in a package of 10 cards (two of each design) with envelopes

\$6.00

NOT AVAILABLE ON QUOTA



InSights Art Holiday Card, Edition IV

This special holiday card features the work of Margo Langohr, an 81-year-old visually impaired artist. Her painting *May Your Light Shine Through My Darkness* has been featured on a print/braille card that is also die-cut. This inspirational painting depicts a woman reaching toward a shooting star. The greeting inside reads "May Your Light Shine..."

Sold in a package of 10 cards (all of one design) with envelopes

\$6.00

NOT AVAILABLE ON QUOTA

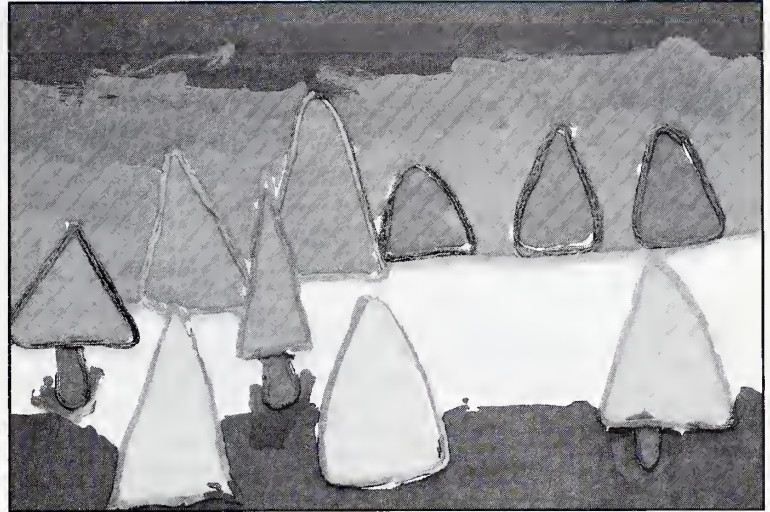
InSights Art Holiday Card, Edition VI

A hillside covered with snow and evergreen trees sets the mood for this holiday card. The card features a painting by Barbara Zochowski, a visually impaired high school student from Schaumburg, Illinois. This print/braille card is both die-cut and embossed, so that the trees are tactile. The message reads: "May the Joy of Your Holidays Be Ever-green...."

Sold in a package of 10 cards (all of one design) with envelopes.

\$6.00

NOT AVAILABLE ON QUOTA



InSights Art Holiday Card, Edition VIII

This new print/braille card features a watercolor entitled *Merry Little Christmas*, an entry in InSights '95 by Sally Harris, an adult artist from Columbus, Ohio. It features raised-line embossing so the Christmas tree art can be felt as well as seen.

The message inside reads, "Have Yourself a Merry Little Christmas!" Sold in a package of 10 cards (all of one design) with envelopes.

\$6.00

NOT AVAILABLE ON QUOTA



InSights Art Birthday Card, Edition VII

This unique print/braille card spotlights *Sun Flower*, a print entered by Grace Jacobian of Los Angeles in the InSights '95. The flower is also raised line embossed, to be enjoyed tactually as well as visually.

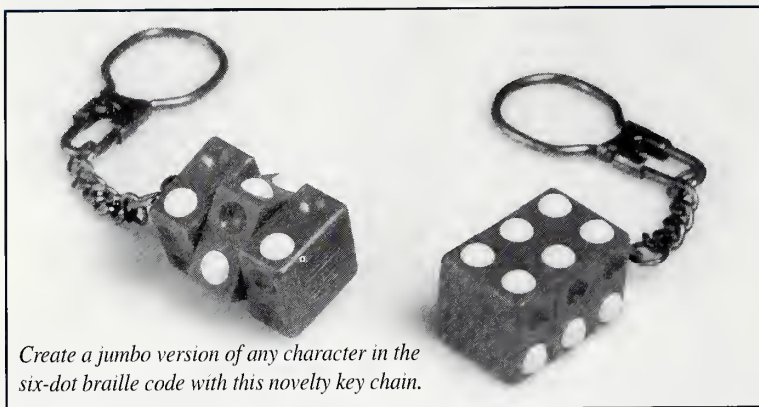
Inside the card is this message: "Sunny Wishes on Your Birthday!" Sold in a package of five cards (all of one design) with envelopes.

\$5.00

NOT AVAILABLE ON QUOTA



Other Fun Stuff



Create a jumbo version of any character in the six-dot braille code with this novelty key chain.

Braille Key Chain

It features a plastic rectangular solid that rotates in three sections, somewhat like the popular Rubik's Cube®. As the faces of the three sections turn, different braille characters are formed. The dots are represented in white plastic, in contrast to the dark blue rectangle. Empty dot spaces are represented by depressions in the rectangle. A copper-colored metal chain with a key ring is attached to the top of the rectangle.

\$4.00

NOT AVAILABLE ON QUOTA

APH "Special Touch" T-Shirt

You'll look great in an APH t-shirt! The front has an APH logo over the left breast pocket area, while the back depicts the braille alphabet and the slogan "We Have a Special Touch!" The printing on the shirt is done in puff ink, so that the image is tactile.

Our t-shirts are high-quality Haynes Beefy Ts®. Two styles are available, short sleeve and long sleeve. Colors available include red, purple, dark blue, light blue, gray, white, black, jade, yellow, and melon. Sizes include youth medium and large; and adult small to extra-extra large. The various colors are available in certain sizes and styles only, so please call us for specific information. Sizes, colors, and styles of t-shirts are subject to change.

Short Sleeve.....\$10.00

Long Sleeve.....\$15.00

NOT AVAILABLE ON QUOTA



Other gift ideas in this catalog:

- InSights Large Type/Braille Calendar—see Literacy: Calendars
- Tape Recorder/Players—see Cassette Players and Accessories
- World and U.S. Braille Atlases—see Educational Products: Geography
- Big Picture—see Low Vision
- On the Way to Literacy—see Early Childhood and Multihandicapped

Most of the products in this catalog are marked with a recommended age for which they are best used. The following chart shows the relationship between a student's age and his or her grade level. This is to aid in choosing appropriate products.

Note: Age recommendations are based on a student's functional age, not necessarily his or her chronological age.

<u>Age</u>	<u>Grade</u>
5-6	K
6-7	1
7-8	2
8-9	3
9-10	4
10-11	5
11-12	6
12-13	7
13-14	8
14-15	9
15-16	10
16-17	11
17-18	12

Vision Training Materials from APH and Related Visual Tasks

Visual Tasks	Sensory Stimulation Kit—Visual Component	Bright Sights: Learning to See (fluorescent colors)	Light Box Materials, Level I (use with Light Box)	Light Box Materials, Level II (use with Light Box)	Light Box Materials, Level III (use with Light Box)	Program to Develop Efficiency in Visual Functioning
Light awareness	Penlight/Flashlight with Color Caps / Nondirectional Light	Flicker Light	Colored Acetate / Pattern/Black-out Backgrounds / Spinner / suggested activities			Section A (1-3 months)
Light fixation and focus	Same as above	Same as above	Same as above			Section A (1-3 months)
Light tracking (horizontal, vertical, circular) and scanning	Penlight/Flashlight	Same as above	Colored Acetate / Spinner / suggested activities			Section A (1-3 months) Section B (4-12 months)
Object awareness	Thing-mobile / Mirror / Color Viewers	Quilt with Stuffed Shapes / Pom-pom w/Bell / Squeaker / Bean Bags / Blocks	Acrylic Shapes / Threading Beads / Tumblers / suggested activities			Section A (1-3 months)
Object fixation and focus	Thing-mobile / Mirror / Color Viewers	Same as above / Ball on Elastic / Mitts / Clutch Ball / Socks with Pom-poms / Fuzzy Ball	Same as above			Section A (1-3 months)
Object tracking and scanning	Thing-mobile	Mitts / Pom-pom / Clutch Ball / Squeaker / Socks / Ball on Elastic / Puppet	Same as above			Section B (4-12 months)
Eye-hand coordination (reaching and manipulation)	Thing-mobile	Same as above / Fuzzy Ball / Quilt w/Stuffed Shapes / Blocks / Bean Bags / Pail / Clutch Ball / Pegboard / Snap-lock Beads	Tracing Back-grounds / Acrylic Shapes / Threading Beads / Tumblers / Spinner	Pegs and Pegboard / Cubes and Template		Section B (4-12 months) Section C (1-3 years)
Matching / concrete level (color, shape, size)		Stuffed Shapes / Rubber Balls / Blocks / Form Board / Pegboard (with Slantboard)	Templates / Acrylic Shapes / Threading Beads / Tumblers / Puzzle Pieces / suggested activities	Pegs / Cubes / Sticks / Parquetry Pieces		Section C (1-3 years) Section D (2-4 years)
Simple spatial relationships		Same as above	Same as above	Same as above / Sticks		Section C (1-3 years)
Matching / concrete level (detail)			Suggested activities			Section C (1-3 years) Section D (2-4 years)
Visual identification / concrete level (name, color, shape, size, object)		Most kit materials	Most kit materials	Pegs / Cubes / Sticks / Parquetry Pieces		Section C (1-3 years) Section D (2-4 years)
Simple part/whole relationships / concrete level		Pegboard / Blocks / Snap-lock Beads / Starbuilders	Ball Puzzles / Face Puzzle	Pegs and Pegboard / Cubes and Template / Parquetry Pieces / Sticks		Section C (1-3 years) Section D (2-4 years)

Vision Training Materials from APH and Related Visual Tasks

Visual Tasks	Sensory Stimulation Kit—Visual Component	Bright Sights: Learning to See (fluorescent colors)	Light Box Materials, Level I (use with Light Box)	Light Box Materials, Level II (use with Light Box)	Light Box Materials, Level III (use with Light Box)	Program to Develop Efficiency in Visual Functioning
Matching / pictures (shapes, familiar objects)		Lotto Cards / teacher-made pictures using Paper, Posterboards, Crayons, etc.		Colored Shape Cards / Outline Shape Cards / Familiar Object Pictures / Stencils / Pattern Guides / Activity Sheets / suggested activities	Picture Cards used in game formats: card or board game, Lotto, Bingo / Activity Sheets	Section D (2-4 years)
Matching / pictures (detail)				Activity Sheets	Picture Cards with differing detail used in game formats	Section D (2-4 years)
Visual identification / pictures (shapes, objects, detail)		Lotto Cards		Colored Shape Cards / Outline Shape Cards / Familiar Object Pictures / Activity Sheets	Picture Cards with differing detail used in game formats	Section D (2-4 years) Section E (3-5 years)
Part/whole relationships / more complex concrete and pictures				Pegs and Pegboard / Cubes and Templates / Parquetry Pieces	Picture Puzzles	Section D (2-4 years) Section E (3-4 years)
Prewriting, tracing, copying shapes, outlines				Activity Sheets	Activity Sheets	Section D (2-4 years) Section E (3-4 years)
Figure-ground differentiation					Large Picture Scenes and matching individual Picture Cards / Activity Sheets	Section E (3-4 years)
Visual closure					Picture Cards / Activity Sheets	Section E (3-5 years)
Matching / figures (abstract figures, letters, numbers)					Letter and Number Cards used in game formats: Card Game, Board Game, Lotto, Bingo / Activity Sheets	Section F (4-5 years) Section G (5-6 years)
Visual identification / figures (abstract figures, letters, numbers)					Same as above	Section G (5-6 years)
Writing letters, numbers					Activity Sheets	Section G (5-6 years) Section H (6-7 years)
Matching words / matching words to pictures / copying words / reading single words						Section H (6-7 years)

Tactual Training Materials from APH and Related Tactual Tasks

Tactual training involves the development of fine motor skills (building dexterity and hand strength) and tactual discrimination skills (developing sensitivity and the opportunity to refine search strategies). The following chart is presented in two sections or groupings: fine motor skills and tactual discrimination skills. Skills are listed in the far left column. Within each section of the chart, some indication of the progression of skill development is shown—the skills listed first being among the earliest to develop. However, overall development in these areas frequently overlaps: fine motor and tactual discrimination skills develop in parallel. In addition, the progression may vary from learner to learner, depending on experience and learner-specific characteristics.

Materials from the Printing House which are designed to develop the listed skills are presented in the adjacent right-hand columns. Since most materials develop more than one skill, they are listed by the primary skill they are designed to address. Many materials also address skills in other areas of development beyond the scope of this chart, such as cognitive development. Pegboard activities, for example, develop fine motor skills at their simplest level, but may be used to develop complex cognitive skills involving matching, sequencing, and pattern-making. Appropriate use of materials requires the instructor to consider carefully the focus of instruction, e.g. simple placement of pegs or complex pattern-making.

Note: The following APH materials contain valuable parent/teacher information pertaining to tactual training:

Beginnings (print handbook—developmental age: birth to 2 years)

Move, Touch, Do! (print and computer disk handbook—developmental age: birth to 5 years)

Parent Early Childhood Education Series (print and braille handbook—developmental age: birth to 5 years)

Playing the Crucial Role in Your Child's Development (VHS videotape—developmental age: birth to 2 years)

On the Way to Literacy: Early Experiences for V.I. Children (print/recorded handbook, plus tactile/visual storybooks—developmental age: birth to 5 years)

Preparatory Reading Program for Visually Handicapped Children: Teacher's Guide (print handbook—developmental age: 3 years and up)

FINE MOTOR TASKS Developing dexterity, hand strength, and basic exploratory schemes.	APH MATERIALS		
Holds object placed in hand	Sensory Stimulation Kit: Tactual-Kinesthetic, Auditory, and Olfactory/Gustatory components (birth to 6 years)		
Reaches for object (may occur later for child who is visually impaired)	Sensory Stimulation Kit (various kit materials)	Fine Motor Development Materials (birth to 3 years): Fun Flowers Rattles	
Uses palmar grasp	Sensory Stimulation Kit (various kit materials)	Fine Motor Development Materials: Fun Flowers Clown Pull	
Grasps object voluntarily and releases onto a surface	Sensory Stimulation Kit (various kit materials)	Fine Motor Development Materials: Hidden Pocket	Work-Play Trays and Dividers for Small Trays
Bangs and shakes objects	Sensory Stimulation Kit (various kit materials)	Fine Motor Development Materials: Fun Flowers Rattles	Sound Matching Board I (3 years and older) Sound Matching Board II (3 years and older)
Rotates and examines objects	Sensory Stimulation Kit (various kit materials)		Large Textured Block (5 years and older)
Pokes and examines objects	Sensory Stimulation Kit (various kit materials)	Fine Motor Development Materials: Rattles	In and Out Board (3 to 6 years)
Uses pincer grasp	Sensory Stimulation Kit (various kit materials)	Fine Motor Development Materials: Bell Chime	Peg-A-Circle Set (3 years and older)
Squeezes objects	Sensory Stimulation Kit (various kit materials)		
Pulls apart	Sensory Stimulation Kit (various kit materials)	Fine Motor Development Materials: Hook/Loop Pull	
Stacks blocks	Sensory Stimulation Kit (various kit materials)		

FINE MOTOR TASKS continued	APH MATERIALS		
Puts objects in container; good grasp and release	Sensory Stimulation Kit (various kit materials)	Fine Motor Development Materials: Hidden Pocket	HANDS ON: Functional Activities for Visually Impaired Preschoolers (3 to 6 years) Suggested trays and activities
Pours/dumps objects from container			HANDS ON: Functional Activities for Visually Impaired Preschoolers
Stacks objects on a dowel		Small, Medium, and Large Circles, Set II (3 to 6 years)	HANDS ON: Functional Activities for Visually Impaired Preschoolers
Nests/stacks objects of graduated size			HANDS ON: Functional Activities for Visually Impaired Preschoolers
Screws/unscrews lids		Prevocational Skills Development Materials: (10 years and older) Round and Square Containers	HANDS ON: Functional Activities for Visually Impaired Preschoolers
Strings beads		Giant Textured Beads (3 to 6 years)	HANDS ON: Functional Activities for Visually Impaired Preschoolers
Turns small knobs or screw/nut combinations	Fine Motor Development Materials: Happy Airplane	Prevocational Skills Development Materials: Bolt, Nut, and Washer Board Wooden Constructo Sets (4 years and older)	HANDS ON: Functional Activities for Visually Impaired Preschoolers
Folds paper		Prevocational Skills Development Materials: Paper-folding Jig	HANDS ON: Functional Activities for Visually Impaired Preschoolers
Sews through holes		Shoelace Aid (discontinued) (4 years and older)	

Tactual Training Materials from APH and Related Tactual Tasks

TACTUAL DISCRIMINATION TASKS Developing sensitivity and practice in search strategies.	APH MATERIALS		
Demonstrates tactual awareness of: temperature, vibration, texture, shape, weight	Sensory Stimulation Kit Tactual-Kinesthetic Component (birth to 6 years)		
Tactually discriminates/identifies objects	Sensory Stimulation Kit Tactual-Kinesthetic Component	<i>Patterns Prebraille Program: Instructions for Making Tactual Readiness Books</i> <i>The Book of Toys</i> <i>Paper Book</i> <i>Button Book</i> <i>Pairs Book</i> <i>Width Book</i> <i>On the Way to Literacy: Storybooks</i> (2 to 5 years) <i>Something Special</i> <i>Book About Me</i> <i>Geraldine's Blanket</i>	
Tactually discriminates/identifies textures	Sensory Stimulation Kit Tactual-Kinesthetic Component Large Textured Block (5 years and older) Sensory Cylinder Set (3 years and older) Textured Matching Blocks (3 years and older)	<i>On the Way to Literacy: Storybooks</i> (2 to 5 years) <i>That's Not My Bear</i>	
Awareness of braille		<i>On the Way to Literacy: Storybooks</i> <i>Preparatory Reading Program for Visually Handicapped Children (PREP)</i> (3 to 6 years)	
Tactually discriminates/identifies flat shapes	Shape Board (4 years and older) Puzzle Form Board Kit (3 years and older) Formboard with Removable Hands (3 to 6 years) Geometric Forms (5 years and older) Chang Tactual Diagram Kit (6 years and older)		
Tactually discriminates/identifies molded objects and shapes		<i>On the Way to Literacy: Storybooks</i> (3 to 5 years) <i>Jennifer's Messes</i> <i>Gobs of Gum</i> <i>Roly-Poly Man</i>	

Tactual Training Materials from APH and Related Tactual Tasks

TACTUAL DISCRIMINATION TASKS continued	APH MATERIALS		
Tactually discriminates/identifies raised lines and shapes	<p><i>Touch and Tell, Volumes I and II</i> (5 years and older)</p> <p><i>Tactual Discrimination Worksheets, Parts 1-3</i> (5 years and older)</p>	<p>Books with Geometric Shapes: <i>Preparatory Reading Program for Visually Handicapped Children (PREP)</i> (3 to 6 years):</p> <p><i>I. Sensory Matching Story</i> <i>II. Size Story</i> <i>III. Shape Story</i> <i>IV. Action Story</i> <i>V. Positions I Story</i> <i>VI. Positions II Story</i> <i>VII. Relationships Story</i> <i>VIII. Time Story</i> <i>IX. Configuration Story</i> <i>X. Classification Story</i></p>	<p><i>On the Way to Literacy: Storybooks</i> (3 to 5 years) <i>The Longest Noodle</i> <i>That Terrible, Awful Day</i> <i>The Caterpillar</i> <i>Silly Squiggles</i> <i>Bumpy Rolls Away</i> <i>The Blue Balloon</i></p> <p><i>Patterns Prebraille Program: Form Books:</i> <i>Shape Book</i> <i>First Circle Book</i> <i>Second Circle Book</i> <i>First Line Book</i> <i>Second Line Book</i></p>
Tactually discriminates/identifies cutouts of objects		<p><i>Patterns Prebraille Program: Instructions for Making Tactual Readiness Books:</i> <i>Playground Book</i> <i>Pet Book</i> <i>Zoo Book</i> <i>Book of Things</i> <i>The Book of Things That Go</i></p>	
Discrimination of braille shapes	<p>Classroom Calendar Kit (4 to 10 years)</p>	<p><i>Touch and Tell, Volume III</i> (5 years and older)</p> <p><i>Tactual Discrimination Worksheets, Part 4</i> (5 years and older)</p>	
Identification of braille units (reading)	<p>Expanded Dolch Word Cards (6 years and older)</p> <p>Braille Code Recognition (BCR) Materials (10 years and older)</p> <p>Grade 2 Braille Cards (5 years and older)</p> <p>Individual Calendar Kit (4 to 10 years)</p>	<p><i>Patterns: The Primary Braille Reading Program</i> <i>Patterns Library Series Books</i></p> <p><i>My Weekly Reader</i></p> <p>Other reading series transcribed into braille</p>	
Braillewriting and copying braille units	<p>Swing Cell/Swing Cell Compact (5 years and older)</p> <p>Perkins Brailier (6 years and older)</p> <p>Peg Slate</p> <p>Slates and Styluses (6 years and older)</p> <p>Big Cell</p> <p>Braille Paper</p> <p>Binders for Braille Paper</p> <p>Braille Erasers (6 years and older)</p>	<p><i>Patterns: The Primary Braille Spelling and English Program</i> (6 years and older)</p>	

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1-03760-00	Large Work-Play Tray, Gray	37
1-03770-00	Dividers for Small Work-Play Trays	37
1-03780-00	Giant Textured Beads	10
1-03790-00	Giant Textured Beads, Stringer only	10
1-03810-00	Shoelace Aid: Nylon Lace only	62
1-03820-00	Large Textured Block	11
1-03890-00	Listen and Think, Level B	29
1-03910-00	Listen and Think, Level C	29
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1-04020-00	Braille Alphabet and Numbers Card	73
1-04041-00	Script Letter Sheets	92
1-04047-00	Low-Relief Embossed Graph Sheets, 1/2 inch squares	101
1-04048-00	Low-Relief Embossed Graph Sheets, 5/8 inch squares	101
1-04049-00	Low-Relief Embossed Graph Sheets, 3/4 inch squares	101
1-04050-00	Progress Charts, Braille	29, 74, 101
1-04051-00	Multiple-Choice, Multipurpose Answer Sheets, Braille	29
1-04052-00	Embossed Graph Sheets, 8 1/2 x 11 inches, 1/2-inch squares in a 15 x 20 grid with coordinate axes	101
1-04053-00	Embossed Graph Sheets, 8 1/2 x 11 inches, 1/2-inch squares in a 15 x 20 grid	101
1-04054-00	Embossed Graph Sheets, 8 1/2 x 11 inches, 3/4-inch squares in a 10 x 13 grid	101
1-04055-00	Embossed Graph Sheets, 8 1/2 x 11 inches, 1-inch squares in a 7 x 10 grid	101
1-04056-00	Embossed Graph Sheets, 11 1/2 x 11 inches, 1/2-inch squares in a 19 x 20 grid	101
1-04057-00	Embossed Graph Sheets, 11 1/2 x 11 inches, 3/4-inch squares in a 13 x 13 grid	101
1-04058-00	Embossed Graph Sheets, 11 1/2 x 11 inches, 1-inch squares in a 10 x 10 grid	101
1-04059-00	Embossed Graph Sheets, 11 1/2 x 11 inches, 1/2-inch squares in a 18 x 21 grid with 1-inch margins on three sides	101
1-04060-00	Script Letter Board	92
1-04061-00	Bold-Line Graph Sheets, 8 1/2 x 11 inches, 1/2-inch squares in a 15 x 20 grid with coordinate axes	101
1-04062-00	Bold-Line Graph Sheets, 8 1/2 x 11 inches, 1/4-inch squares in a 31 x 40 grid	101
1-04063-00	Bold-Line Graph Sheets, 8 1/2 x 11 inches, 1/2-inch squares in a 15 x 20 grid, for bar graphs	101
1-04064-00	Bold-Line Graph Sheets, 8 1/2 x 11 inches, 3/4-inch squares in a 10 x 13 grid	101

1-04065-00	Bold-Line Graph Sheets, 8 1/2 x 11 inches, 1-inch squares in a 7 x 10 grid	101
1-04067-00	Bold-Line Graph Sheets, 11 1/2 x 11 inches, 1/2-inch squares in a 19 x 20 grid	101
1-04069-00	Bold-Line Graph Sheets, 11 1/2 x 11, 1-inch squares in a 10 x 10 grid	101
1-04072-00	Multiple-Choice, Multipurpose Answer Sheets, Large Type	29
1-04073-00	Progress Charts, Large Type	29, 101
1-04090-00	Aluminum Diagraming Foil, Sheets	87
1-04120-00	Aluminum Diagraming Foil, Roll	87
1-04130-00	Brown Glaze Paper, Nonpunched, for use with 28-cell interpoint pocket slate, 7 3/4 x 8 inches	62
1-04139-00	White Fanfold Tractor-Feed Transcribing Paper, Nonpunched, 100#, 11 1/2 x 11 inches	97
1-04140-00	White Fanfold Tractor-Feed Transcribing Paper, 19-Hole Punch, 100#, 11 1/2 x 11 inches	97
1-04141-00	White Fanfold Tractor-Feed Transcribing Paper, 19-Hole Punch, 80#, 11 1/2 x 11 inches	97
1-04142-00	White Fanfold Tractor-Feed Transcribing Paper, Nonpunched, 80#, 11 1/2 x 11 inches	97
1-04150-00	Brown Glaze Paper, Nonpunched, for use with all 28-cell slates, except interpoint, 8 1/2 x 11 inches	97
1-04220-00	Brown Glaze Paper, Nonpunched, for use with 37-cell interpoint pocket slate, 11 1/2 x 11 inches	97
1-04240-00	Krebs' Binder, 19-Ring (for braille), 60 sheet capacity	99
1-04250-00	Krebs' Binder, 19-Ring (for braille), 80 sheet capacity	99
1-04260-00	Krebs' Binder, 19-Ring (for braille), 105 sheet capacity	99
1-04271-00	Krebs' Binder Locking Pins	99
1-04280-00	Pocket-Size Notebook, 6-Ring (for braille)	98
1-04290-00	Loose-Leaf Binder, 19-Ring (for braille)	99
1-04300-00	Spiral Pocket Notebook (for braille)	98
1-04320-00	Braille Notebook, 3-Ring, for 8 1/2 x 11 or 9 x 12 inch braille paper	99
1-04360-00	Braille Notebook, 3-Ring, Turquoise, for 11 x 11 inch braille paper	62
1-04380-00	Braille Notebook, 3-Ring, Green, for 11 1/2 x 11 inch braille paper	99
1-04391-00	Punched Filler Paper for Pocket Notebook	97, 98
1-04400-00	Brown Glaze Paper, 3-Hole Punch, 8 1/2 x 11 inches	97
1-04470-00	Brown Glaze Paper, 3-Hole Punch, 11 1/2 x 11 inches	97
1-04500-00	Antique Ivory Opaque Paper for Large Type, 11 x 17 inches	100
1-04500-01	Antique Ivory Opaque Paper for Large Type, 8 1/2 x 11 inches	100
1-04500-05	Antique Ivory Opaque Paper for Large Type, 11 x 14 inches	100
1-04530-00	Manila Braille Transcribing Paper, Nonpunched, 8 1/2 x 11 inches	97
1-04540-00	Manila Braille Transcribing Paper, Nonpunched, 11 1/2 x 11 inches	97
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1-04670-01	Brailon Plastic Paper, Nonpunched, 8 1/2 x 11	97
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1-04690-00	Brailon Plastic Paper, 3-Hole Punch, 11 1/2 x 11	97
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1-04831-00	Green-Lined Writing Paper for Primary Students, 8 1/2 x 11 inches, 3/4 Inch Line Space, Nonpunched	100
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1-04851-00	Notebook Paper, Bold Line, Loose, 3-Hole Punch, 7/16 Inch Line Space	100
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8-08839-00	Print Manual for Tactile Graphics Starter Kit	86
8-11850-00	Sensory Stimulation Kit, Teacher's Guidebook (for entire kit)	8
8-11860-00	Sensory Stimulation Kit, Activity Cards (for entire kit)	8
8-15800-00	Speaqualizer Manual, Large Type Edition	61
8-16040-00	Program to Develop Efficiency in Visual Functioning, Volume I, Diagnostic Assessment Procedure only	40
8-16050-00	Program to Develop Efficiency in Visual Functioning, Low Vision Observation Checklists & Record Booklets	40
8-16060-00	Program to Develop Efficiency in Visual Functioning, Source Book on Low Vision	40
8-16070-00	Program to Develop Efficiency in Visual Functioning, Volume II, Design for Instruction only	40
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8-44660-00	Touch and Tell Instruction booklet	77
8-50590-00	Materials on Utilization of Low Vision, Visual Efficiency Scale Kit	40
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8-77500-00	On the Way to Literacy (print handbook only)	149
8-78010-00	Patterns Primary Braille Reading Program, Readiness (Red) Teacher's Edition for Student Texts, Print	79
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8-78030-00	Patterns Primary Braille Reading Program, Readiness Teacher's Edition for Posttest, Print Edition	80
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8-78090-00	Patterns Primary Braille Reading Program, Preprimer Teacher's Edition for Posttest, Print Edition	80
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8-78140-00	Patterns Primary Braille Reading Program, Primer Teacher's Edition for Posttest, Print Edition	80
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8-78370-00	Patterns Prebraille Program, Instructions for Making Tactual Readiness Books	78
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8-78380-00	Patterns Prebraille Program, Teacher's Manual	78
8-78382-00	Patterns Braille Spelling and English Program, Level C, Print Teacher's Edition	83
C-03700-00	Read Again: A Braille Program for Adventitiously Blinded Print Readers, Recorded Instructions for Levels A & B	84
C-07309-00	Braille 'n Speak Classic, Cassette Manual	32
C-10800-00	Concise Heritage Dictionary, Recorded Edition	30

C-17401-00	Braillewriting Dot by Dot, Exercise Cassette	85
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T-32250-00	Patterns Primary Braille Reading Program, Second Reader Teacher's Edition for Review Worksheets, Braille Edition	81
T-32260-00	Patterns Primary Braille Reading Program, Second Reader Teacher's Edition for Posttest, Braille Edition	81
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Getting Kids Into Reading Doesn't Have to Be a Bear!

This friendly bear appears on the pages of the book *That's Not My Bear*. He's made of real fur to give kids a multisensory reading experience.



On the Way to Literacy Books Are Tactile and Visual Fun!

Studies have shown that reading to young children is one of the most important ways to get them “on the way to literacy.” APH fills this need for visually impaired and blind children with the On the Way to Literacy Book Series. These exciting tactile/visual storybooks draw kids into reading with pictures they can touch and see. Without even knowing it, they will be taking their first steps into the vital world of literacy.

Turn the Page for More Info!

On the Way to Literacy: Early Experiences for Visually Impaired Children

This program contains basic information and activities to enhance the development of literacy in young blind or visually impaired children. *On the Way to Literacy* consists of a print handbook for parents and teachers and 13 tactile/visual storybooks to be read to young children. The storybooks are in braille and print and feature tactile/visual illustrations. The handbook and storybooks can be purchased separately or as sets.

Handbook

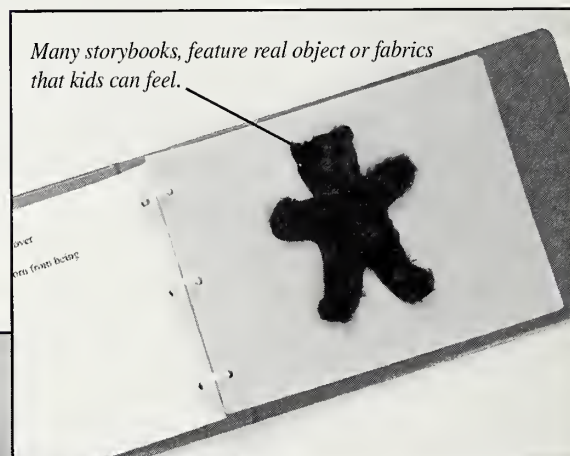
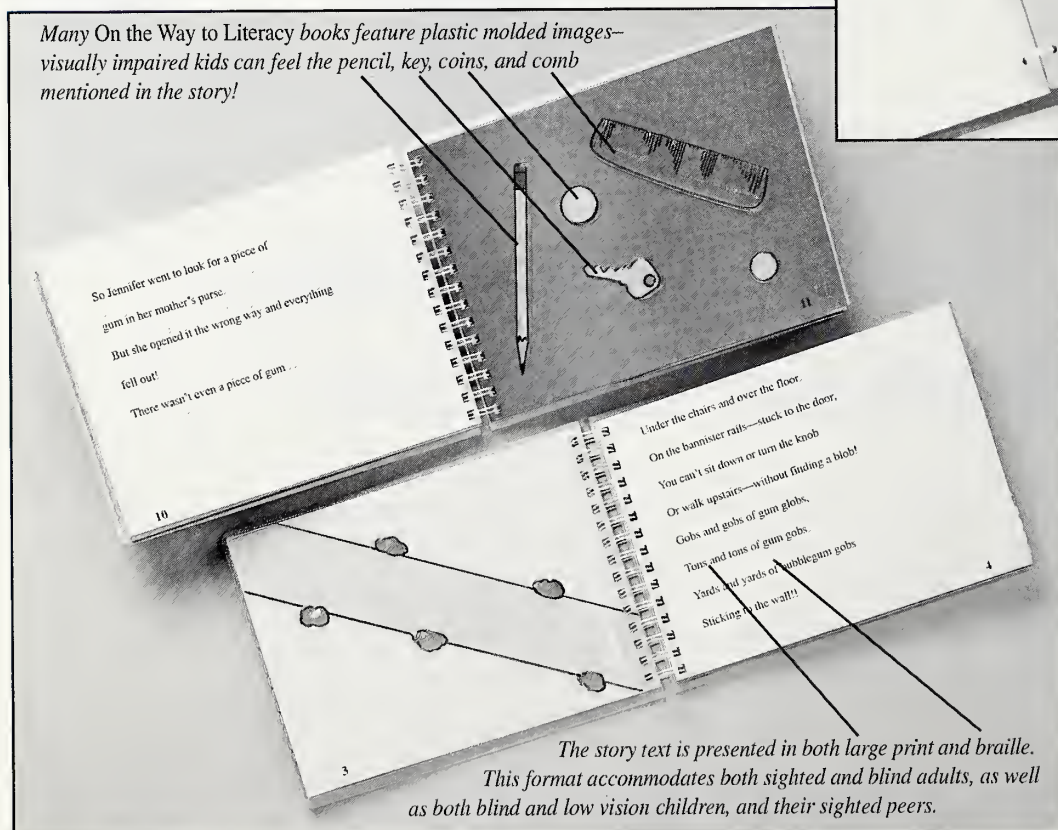
The handbook is organized in two ways—by developmental level and skill area—for easy reference to information on your child's individual pre-literate needs. The developmental levels include infants, toddlers, and preschoolers. Skill areas discussed within each developmental level are communication, hand skills/tactual exploration, concepts, and book experiences.

Storybooks

The storybooks introduce visually impaired youngsters to tactile illustrations and braille. All 13 books are carefully illustrated to add information and enjoyment to the story and provide opportunities to use finger and hand skills. Recommended ages: some handbook activities can be used from birth; tactile/visual storybooks are for ages 2 1/2 to 5 years.

On the Way to Literacy: Early Experiences for VI Children Complete Set (print handbook and the first 10 storybooks listed): **6-77500-00.....\$232.70**

continued on next page



***On the Way to Literacy* books have illustrations that are both brightly colored and tactile!**

continued from previous page:

Items available separately:

***On the Way to Literacy* print handbook:**

8-77500-00.....\$18.00

***On the Way to Literacy* cassette handbook:**

C-77500-00.....\$18.00*

*Only available separately.

- ***Something Special:*** A young child searches for a lost possession; features objects fixed to the book pages. 6-77500-05.....\$38.60

- ***Jennifer's Messes:*** Thermoforms (molded plastic images) of familiar objects such as breakfast cereal, pretzels, and crayons illustrate the messes made by Jennifer.

6-77500-06.....\$31.95

- ***Gobs of Gum:*** A rhyming story about "big blobs, small gobs, and sticky icky strings of bubblegum." Illustrated with thermoforms.

6-77500-08.....\$23.95

- ***Roly-Poly Man:*** A young child creates a figure from pieces of clay; illustrated with thermoforms. 6-77500-07.....\$27.95

- ***The Longest Noodle:*** A child finds the world's longest noodle. Raised lines of varying lengths demonstrate a shoelace, a jump rope, and more. 6-77500-01.....\$17.95

- ***That Terrible, Awful Day:*** A young child's popsicle gets smaller as everyone shares a taste. Has raised lines. 6-77500-04.....\$15.25

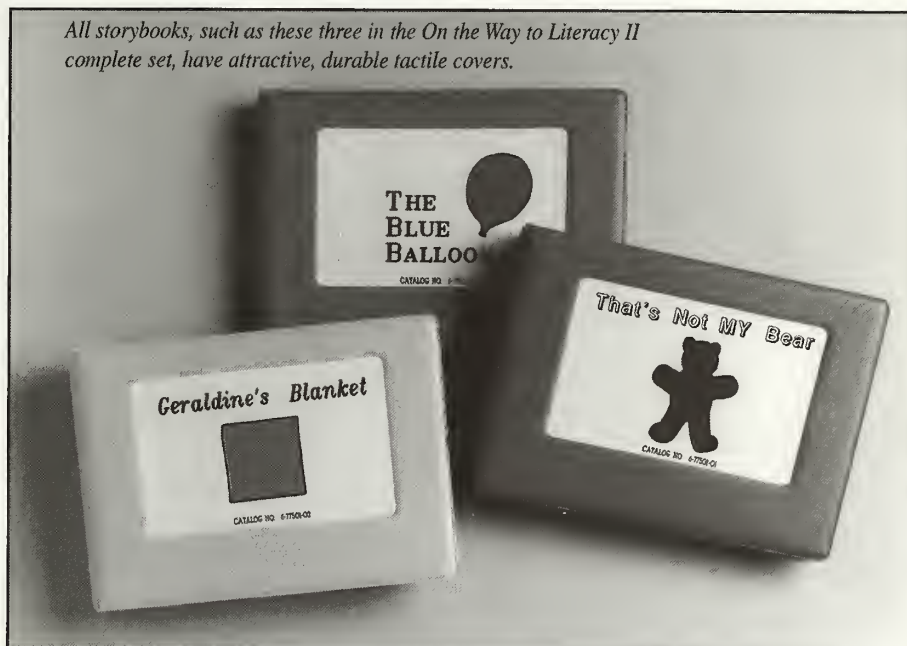
- ***The Caterpillar:*** A visually impaired child discovers something in her backyard. Has raised line drawings of a hand, foot, etc., and a fuzzy fabric caterpillar. 6-77500-02.....\$15.95

- ***Bumpy Rolls Away:*** Bumpy the Ball is sent rolling down a hill, down some steps, onto a sidewalk, along an alley, and into a box. Illustrated with raised line drawings.

6-77500-03.....\$15.95

- ***Silly Squiggles:*** A fictitious, wormlike creature stretches, squeezes, and squirms into various shapes in this rhyming story with raised line drawings. 6-77500-09.....\$16.25

- ***Book About Me:*** A "Me Book" for children to create, with fill-in-the-blank sentences in braille and print, and space to add illustrations and text. 6-77500-10.....\$10.95



All storybooks, such as these three in the *On the Way to Literacy II* complete set, have attractive, durable tactile covers.

On the Way to Literacy II

Complete set (3 storybooks): 6-77501-00...\$105.00

Items available separately:

- ***That's Not My Bear:*** A search for a lost teddy bear which cannot be replaced. The special bear and other bears offered by well-intentioned family members are represented with furry fabric shapes. 6-77501-01.....\$39.00

- ***Geraldine's Blanket:*** The story of a little girl's treasured blanket, which becomes worn and patched over time, but is never outgrown. Squares of fabric illustrate the fate of the blanket. 6-77501-02.....\$38.00

- ***The Blue Balloon:*** A very special balloon takes on extraordinary shapes and performs amazing feats. Illustrated with brightly colored, raised balloon shapes and fold-out pages. 6-77501-03.....\$28.00

Also check out our NEW videotape related to the *On the Way* series (for description, see Videotapes Section).

Discovering the Magic of Reading: Elizabeth's Story: 1-30002-00.....\$24.95

Send Visually Impaired Preschoolers "On the Way to Literacy!"

Visually impaired preschoolers need early exposure to tactile illustrations and braille. The On the Way to Literacy kit includes a handbook and specially adapted storybooks to meet these vital needs.

Unique, tactile print/braille storybooks with illustrations you can touch!

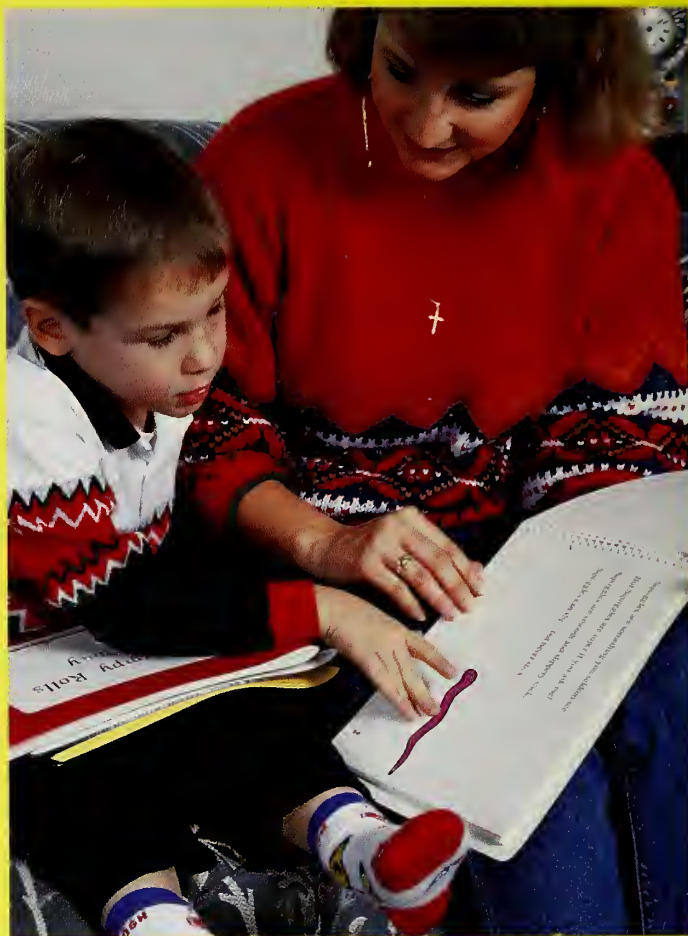
- Real Objects or Textures
- Molded Plastic Images
- Simple Raised Line Drawings

Both visually impaired and sighted adults can share these stories with either totally blind or low vision preschoolers and their sighted peers!

The print handbook for parents and teachers has information and activities to meet the specific needs of your child. It is organized by developmental levels and by skills that form the foundation for literacy.

See inside back cover!

Get "On the Way" today!



"The single most important activity for building the knowledge required for eventual success in reading is reading aloud to children."

(Government Commission on Reading, 1985)



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